

```

1 acattttttaa agtagctaca atattttttaa aattgaaata aaatgtttat tttagaatag
61 ttttataaatt actgaaaact ttcaaagaaa gtacagagaa ttcccataca caccacaatc
121 agtttccctc attaacatct ggcattatta ctatagcata cggtcacaac tcatgaacta
181 gtattgctat attgcttatt aactgaactt tatttaaatt gtattagctt ttctctaattg
241 ggctttttct gtttccagat cctgtctagg acagtagatt acatttagct gttgtgtctc
301 ctttaggetcc tctgggetat gccccctttt caggctttcc ttgcttattc atgaccttta
361 cactttgggg ggctactggc cagggtatttt gtacaatgtt cctcaattcg gttttgtctg
421 atgttttcct caggtaggtg ggtgtattag tccattttca tgctgttgat aaagacatcc
481 ctgagactgg gaagaaaaag agttttaatg gacttacaat tccacatggc tggggaggcc
541 tcgcaatcat gacagaaggc aaggaagagc aagtcacatc ttttgtggat tgctgcaggc
601 aaagagagag cttgtgcagg gaaactccta tttttaaaac catcagatct catgagactc
661 attcactatc atgggaacag tgcaggaaag accggctccc ataattcaat cacctcctac
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901 ggtcacctgg aaaacatagt gtttccctgg gtgaaattaa ctgttcctac
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1021 ggggagttta gtttcacctc ctcaggtaga gagtagtgcc taaataaatg atttaaaatt
1081 tttctgttga ggaaatctgt cttttatctc caacttattt attttttcaa taatttattt
1141 ttatcagtat aggcccatgg atatttgttt tatattttaga aatataatgg aggaatatgt
1201 tatttttattt aattctattt tttgctccaa ttgttccaaa tttggctatt cagagctctt
1261 tcaattggct cctgtgtcct tttgannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1321 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1381 nnnnngagct gatcatcatc attatcctgg agattccatt gttgaactat acggttgaca
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1501 caaagaccaa aactggtgtc atgttaattt cactgaccag ttgaacagag ttgtgaagtc
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1801 acaagaattt tttctctgac cttctaaaaa gctcttcttg gattctctgc ggagaactca
1861 ctctttctta cagaataaaa tctctactac agtggtttta ctgtcagtgc cagagatgct
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1981 atctaagaca ttttggaat gtttccatta ctttggccag tcattattgt cctgtctaag
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2161 cacgaacgga atcatttttc ttgtctgaat ctctctctga attatggaaa tgcagccaag
2221 ctgctatgtt tcattgacat tcaatacttt taaaaaggaa ccaatgttac tctgtgagt
2281 tgaagaaaaa tctatttttt aactgtcaaa attaaaattt tottaaaaga attaaaaaaa
2341 taggtccagg gaaattactg ttattggaga aaaaagaaaa aatgaaaaaa tgaccaaaaa
2401 caatcaatgg ttgtcattt tttggttctt gccatataaa tttttttttt tttttttttt
2461 tttttttttt tggaacaga gtctcgtct gtccaccagg ctggagtgc aaggcacaat
2521 cttggctcac tgcaacctat gcctcccgag ttccctcccg cctccacct cctgcttag
2581 cctttcaagt agttgggatt acaggcacc atcaccatgc ccgactaatt tttgtatttt
2641 tagtaaaaaa ggggtttcgc catgttggtc aaactgggtc cgaactcctg acctcagggt
2701 atctgcccgc ctcagcctcc caaagtgtc agattagagg cgtgagccac catgctggg
2761 atcaataaaa aaaattctgg ggagaagaca atacattttt taaatcccat ggccaatttt
2821 ctgtgatgaa aaaatgtccc cacagagaca ctcaacattt tccaatgggt tnnnnnnnnn
2881 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
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3001 atagcacagt cccgtggatc ctcaggctct aacctcttag ggatttcatt atcatctctt
3061 tgaatcttca ggctccaaat tctcaaatat ttgaaatcca caaattgggt ataaagtctc
3121 ctaaaaagga tcacacccat ccttaacagc tctatccact ctgggccacc aaacacttga
3181 acaatgacca gggcttttgg cttcaatgtt ttctcaacac ccataatctc caggctccaa
3241 atctcagagg aagggtctctg tctcaagggt tatcacaggt aatttttcaa ttaaaaaactg
3301 tcttttgagt ggctttattc acatgtcatt tcaaaatacc agaaaaatgtg tcttttttaa

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FIGURE 1

3361	attgtagcca	attaaacaca	taaagtctat	gttatcatca	tatgaaacag	aaaaaaaaagtc
3421	cagatttttg	ttttcaggga	accaaggatc	cagtccttac	aatgtcacag	actatgtggg
3481	ctcagtttct	ctactgataa	agtgtggata	cagagtcctag	cctctagcct	atctagggatc
3541	aaagaagctc	agagaggtac	aaagggtctt	gcaaggctaa	agactacaaa	tgagaatata
3601	ctgcattttt	ttaaactgca	aaagttcact	ctggtatcaa	atggcctttg	tgtagcttct
3661	gagaaaacaa	ttatagctgc	caagatggag	tgaatacaag	aatacacatt	tctaattgctc
3721	tatgttaata	aatgacagtt	attttattcaa	gaatataaaa	gaagacattg	tctaagaattc
3781	ttaggtatttc	attattgtct	ctttaaatct	ccaagctcag	aagttttgat	aatgtaaect
3841	attctgtttat	tttaaggcag	cctaagtgag	tatgcagtg	aggtagggcc	atgacagtg
3901	tgtgagggct	gccatttcat	tttagtatca	agtcatttca	atatgtgttt	caatacata
3961	agcactgcat	tatatagttc	ttctttcctt	ctgctgtatc	caaccaagtt	cggcaagtt
4021	gccaaacttg	ccacaaaaga	gaagccataa	agacatacta	agctagtgtc	gatatccagc
4081	caggtgacat	aaaccaatct	cacctattaa	aatatgtttt	caacattttg	aaatttcagtt
4141	taccatttgc	catactatca	taaaaccttt	gtttcttgacc	actccacatt	aacacacatt
4201	aacacacaaa	acaaccaatt	caataaaaaa	aaaaaatgtc	agctgtnnnn	nnnnnnnnnn
4261	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
4321	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
4381	aaaaatgaat	actatcacag	tgttttacat	tgtttactaa	ttgatagtgt	gttcarggac
4441	aaattttaat	ttattcttaa	ctatctctgt	tttcagttac	aagcatttat	tgtcatttga
4501	accgaaaata	caactcttaa	acgaagttat	gccatcttca	ttagatctac	catatcctag
4561	ttcttactga	tttctactgg	tgcttcaaca	tttcttatag	gagctctgtc	atttcttact
4621	agagctttca	gaataattta	gatgacaaac	gtcatttgaa	gggctaaact	gactacatcc
4681	taggcatact	acccaaaacat	atccagatttc	cccaaatatt	tttgtcttca	tcaaaaataa
4741	agcaaatgtt	tttagctgta	tcatttttaa	cacacacata	taaaacccaa	aactaaaaat
4801	gctatgggtg	cataataaac	ctagataggc	atgtattaat	ctaataccagc	cattcccaat
4861	ctagttttgt	ctatgtgtta	atttgaacac	taaggtagac	ctacctacca	cctgaaatta
4921	tcacaatgag	caaaacaaat	gaaattttta	aataaataaa	taccatgtgt	agttgggggt
4981	tcccaactcc	aaataatgtg	aggaagatca	acattctaat	ttgaatgcaa	gatactcctc
5041	tgtagatttg	ttcagcagga	gtttcagcca	taagcttaac	tatagttact	gttacgagca
5101	aagaaactac	aaaagtaaaa	aacaattaca	taaaaaccaa	actttcaaat	aaaaatttgt
5161	aaacataaat	ttacaattag	aaagtacagt	tatggtagtc	cacaaaagtt	tcttttgtac
5221	ttttgtttat	attgaatttt	aaaagctgtg	gtcaaattaa	atccttctct	ccttaagtga
5281	ccagaatttt	attactgaca	ttatcaaaat	ccagaagctg	tgagtaagcc	ccacttttat
5341	ctcagaaaag	tgacactagt	cagctaagaa	tttactgaaa	gttatagggt	gctgtataaa
5401	ataagagcac	tagtaataaa	gaaatgaatg	aataagtcaa	acaaatatca	taaaatttga
5461	attaggatta	agttgtacca	tgccgtctct	tccataaaaag	ttacaatcca	ctgggctcaa
5521	aacaataaag	atgggtgagg	gacataaaat	tctattactt	agttgcctct	atttcataag
5581	tttctttttt	tcccatgact	ttattagaaa	ttgggtctct	taaaagctga	caaagttatt
5641	aacatgotta	gaactttata	atagagctcc	acgttaaaaa	gcattgtatt	catgtaattg
5701	taagctcccta	cttgggtccc	tattgtcaaa	aacatccata	aaaaattaaa	ataaatttaa
5761	gctttgccaa	gcttcaggaa	gaacaattac	tgaaaaagtc	atgagaaaaa	caaatatttaa
5821	aggtgcattt	ctccaagtto	tttgagctta	aacatttggg	tgtaaatatt	acccctctct
5881	taagatgtat	tctgttgaga	tttgaaaaac	agatggtcct	atccctatca	ctttttggaa
5941	tttccattgg	taagcatggt	cagaaggata	cgggttaacc	tacaccagtg	tttatagggt
6001	aatctcacac	tttgttggaa	ctggggaggga	gggggggggg	acggagaggg	agaiaaaaaa
6061	agagagaggg	agagagacag	acagacatat	ggacagcagg	aaagggtgtg	gctgaatttt
6121	gcatttgttg	tatagtcaat	gcttcattgg	cataaaggaa	caacagagag	agctttcttt
6181	tccattgggt	acattctatg	aagcttatct	ttgaatttca	tacttccaat	ttgttttttt
6241	ttcttccccg	ctgggacaga	ggttagtagc	tcttagtttg	tcagagttat	ttgttttttt
6301	tagaagtcac	tgctgaaagt	tttgctaaaag	cccatctctc	cagggtttct	agtaatttga
6361	taagotttga	atttactttg	ttaaatctgt	ttttgtctaa	gatattctaaa	atgggttctt
6421	cgtttgaata	gaaccccgac	caacataggg	ttcctgttta	ttttgttagt	tggaatttag
6481	gaaagccatg	ggttaattgga	ctatccctct	gtaaggccca	taggcagaga	agcttccgag
6541	gtttgggagt	ctaagggcaca	gcaattcaag	agatccgata	tctatccctc	tgcagggtta
6601	aatccaaacta	agaatgtaaa	gttagttcat	atgaaaagac	tgagaataaa	atactaaata
6661	ctaattttaa	ttcacagatta	tatattttga	gagaataatg	taggagttca	aaattgaagg
6721	aaacataaaaa	atctacaaaaa	aaatccactag	aatataaagc	ttcaatctatc	tatgttcagg
6781	tttcaaaaaaa	ttacacacacg				

FIGURE 1 (continued)

6841	cctccaaaaag	atgtgttaaaa	gcattgatctc	ttgactgggat	agtggaggaat	ccagtatgaa
6901	cagagtgcga	attgggaaat	gataataaat	acatttgga	atagagaaga	cactagaagc
6961	ggggcagtg	aattagaagt	gtgcatcag	actgtagcag	agtttcccaa	cttcagcact
7021	attgacattt	ggggccagat	aattctttct	tggggtgggg	ctgggagaga	gtgatggggg
7081	catgctgtgt	aatgcaggac	acttttagcag	gggtccctgga	ctcaaccgac	aggatgcaag
7141	tagcaccac	tgctcaaac	aaaatgtctc	tagacgttac	caaattattcc	aggggggaca
7201	aaaccactgg	accataggct	gaaagtcata	gcattgcgaag	agtcactgga	cttaagaaaag
7261	atgagacaag	aaaaataatt	tcagaaacaa	tgataattat	ctaattcagt	gatgtataca
7321	gagagggggc	tgcaaacaca	tcagtgaaga	ggccaggcac	ctgctatggg	gactggagtg
7381	cacaagcacc	ccatccaagg	agaggacttc	tcagagtcag	ccagctgttg	ttgccatacg
7441	ggaaggaaaa	cccagggttt	ccaggccttc	ttttctcttt	ttctctctca	aaacaagaaa
7501	gattctgtatt	tttaagttaa	atttctgaa	acatagaact	taatttgagg	cttttgaaaa
7561	acaattttta	ggctagattt	gacctggaag	ctaccagagt	cctgcagtg	agactaaggt
7621	aagtgcagc	ttggaagggt	tttaggaaga	taaatttatg	gatccggatc	aaacaaacca
7681	actataaaaa	gacataactg	agaaaaagag	gcaaagggtga	atttggtatg	gtattaaata
7741	acattaagga	atcactgttg	aatgcaataa	caatattaag	atcatgttaa	aaataatctt
7801	tacccgtttc	aaatatctaa	tagatatcta	attattttata	caggcaggca	ggcaggcgag
7861	cacgcacaca	cacacacaca	cacacacaca	cacacttttc	actacagatg	aaacaaacaa
7921	aaaaagacag	agacaaaata	atgagcaaag	cactatacct	aaatacgaag	aataaatcag
7981	aggaatgaga	aaaaaatgac	ttcaaagttt	tgaagttcaa	agtttagaggt	ctctagtctc
8041	cttgtatagt	gagcgccctc	tggtatatac	aagaaagcaa	acactcctct	gtactgtttc
8101	tgcatttacc	ctagtatttt	aaaaacatca	tcctcaaatt	ctttgtaata	cacttaattca
8161	ttaataaaaga	ggaaataaca	caactctcca	ataattcaaa	gcacaacaga	cttgtacctc
8221	aattttatcag	aaataccaag	tgtatataaaa	cacatccatg	gttgacataat	attacaacat
8281	ctatatctct	gaatctctgc	tgattactga	agtaaccagc	tgacttctctg	aaaccaaata
8341	aaaaacaaat	tcagcactat	acactgtctc	agtgtatatg	ttgcaagagg	gtccatgcac
8401	actggaccat	aggctgaaag	tcatagcatg	caaagaatgg	ctgggatatt	ccattttgta
8461	cgggttaatat	gaaatgctac	aaccacaata	agcataatcc	acagaaataa	atcccaagga
8521	tgaaactacc	caaaccaaat	ttctgttcag	ggaagaatcc	nnnnnnnnnn	nnnnnnnnnn
8581	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
8641	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
8701	ttccacctcc	tgccctcagcc	tctcaagtag	ttgggattac	aggcaccat	caccatgccc
8761	gactaatatt	tgtattttta	gtagagatgg	ggtttcgcca	tgttggtcag	actgggtctg
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8881	tgagccacca	tgccctggcat	caaatataaaa	aattctgggg	agaagacaat	acatttttta
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9061	ctcaataaat	gaaaaaaaaa	cattctatttt	cacattacat	attttatgtg	attttatatt
9121	ttctattaaa	aaactctttt	gtgtgtgtgt	ttggagatgg	ggctctcaat	ctgctcaaaa
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9241	attctctctc	ctcagctctc	aaaagtagcta	ggaccacagc	catgtgccc	catgtgccc
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9481	tcattgtccct	taataaaatg	taaatatgtg	atttatgaaa	ttattccaaa	ttttatttaa
9541	cattatttata	ttttctctct	ttctctctct	attttgata	cagaaaggt	aggatggtat
9601	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc
9661	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc
9721	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc
9781	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc
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11281	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc	cttctgattc
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13741</						

FIGURE 1 (continued)

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FIGURE 1 (continued)

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17761	ttgagtagca	atcttttcctc	tctctttttc	aaattcccat	tgtgtggtgg	gttatgtact
17821	acaaaaaact	ttgatgattt	agaattacac	acaaacacac	acgtgtatat	atatatatat
17881	atatatatgc	atatacacac	acaaacacac	acatttccag	tgtgtttttg	tatgtatgtg
17941	tatatatata	catgtgtata	tatgtgtgtg	tatatatata	tgtgtatgtg	tgaatgtgta
18001	tatatatatt	cggttgtctc	ttggtatcca	tgagggattg	attccaggaa	ctccagtgga
18061	tgccaaaaac	catggatgct	caagttaagt	ccctcatata	aaatggtgta	gtattttcct
18121	ataacctatg	cacattttcc	cgtatacttc	aaatcatctc	tagttacttg	taacacctag
18181	tgcaattgaaa	atgctgtgta	aaatagttgt	tatactttat	tttttaggaa	aatgacaag
18241	acaaaaagtc	tgtacatggt	tagtgcatgt	gcaaccatca	tttctataaa	atattttaa
18301	tctgtggttg	gtttaatcta	cagatgtgga	accacagat	atgaactgta	ctcacatact
18361	cacctaaaag	gtaaaacttt	tcacactaaa	ataaacaaaa	atgtacaatt	tttaaaaaaa
18421	gttaatagga	aatataatat	aaaaagtata	aacaacttac	tcccttaata	aatgaccgta
18481	acctagattt	tctttctgga	taatatattc	tcagaggtat	tttatttccc	ctaatacagc
18541	aattaaaaag	attattttcct	gttttattgt	ttgtttcctt	catttcactc	aaattcatat
18601	gggtagagaa	cttatcttata	ttgacacta	ttgcattatc	cataagacac	atggcatgta
18661	gtatttgctt	gatagatttt	agttgaatta	ataaattgat	agaaaatgag	cttaacaaac
18721	ataattttaac	ccagtcacac	aactaggaca	catggagagt	agaattggcc	agcaagggtc
18781	acaggtacct	agtgtaaaga	ttaaagtggg	gccaggcgcg	gtggctcatg	cctgtaattc
18841	cagcgctttg	ggaggccgag	gcaggtggtat	cacgaggtca	ggagatcaag	accatcctgg
18901	ctaacacagt	gaaaccccat	ctctactaaa	aatacaaaaa	attagctggg	catggtggcg
18961	ggcacctgta	gtcccagcta	ctcgggaggc	tgaggcagga	gaatggcgtg	aacctgggag
19021	gtggagcttg	cagtgagccg	agatcacgcc	actgcattcc	agcctgggtg	acagagcaag
19081	attcctctcc	aaaaaaaaaag	aaaaaagaat	taaagaagaa	ggaaagaaac	acaaagggtg
19141	gcttgcaggt	taagacaggt	ttattttaga	gaaaacaaac	ctgagaggag	cttttgacctg
19201	agttgagatta	gaggcacact	tttttcagaa	ctaaacgttt	ttaaaggttt	agggtgggag
19261	agtttatttag	aggcttggac	tgcttttgtg	tttttttgtt	tggtcttatt	tgggagggag
19321	agtttatttag	aggcttggac	tgcttttgtg	tttttttgtt	tggtcttatt	gggagggaga
19381	gttacgtggt	tgttcccata	catcttcctg	cagcttcagg	cataccctcc	cagtttgcct
19441	ctagctttcc	tatttttagtg	cagctgaagg	aaaagaattg	gottatttaag	accatattgt
19501	ttactggggg	ccattgtgta	aaggctcatgt	ttgacagctt	caacaagaaa	ctttccctta
19561	cttctctctg	tgcccaagca	ttttatctgt	gtttatactg	ttgtgtttta	tggctgttta
19621	tagttaaaaa	aaaaatttctt	aaaattcgata	gggtctaaaa	gaagctttta	ttagctgtta
19681	tgtccaarat	aattggtgott	ctgctctgtc	acctagtcac	aatcttttgt	caaaaaatata
19741	gatgttgtga	tgggttaatt	tatatatacaa	cttcaactgt	ccatggggat	cttagactatt
19801	tggctaaaca	ttattctggc	tgtgtctctg	agggtatttt	tatatgagat	caacattttg
19861	atgagtagag	tgagtaaaaa	agattgcccc	ccccaaacct	gatgggtttt	attctaatct
19921	ccaaggccctg	aaataaaaaca	agatttaacta	agagataaatt	ctctccctct	gtatgggaga
19981	tgggtctctt	ctgtgctttg	gacttgaaab	caaacctggac	ctagctctcc	ctggtttctt
20041	gaattctcag	ctcttgagaa	cagaaactca	acatttgatt	ttcttgaggt	ttctgtctca
20101	aaactacaaa	ctcttgagaa	ttcttgagaa	ctcttgaggt	ttcttgaggt	ttctgtctca
20161	aaactcttta	ctcttgagaa	ttcttgagaa	ctcttgaggt	ttcttgaggt	ttctgtctca
20221	ggtatcaaca	ctcttgagaa	ttcttgagaa	ctcttgaggt	ttcttgaggt	ttctgtctca
20281	ccacatacac	actatgtatg	attctccatt	agttctgttt	gtcttgagaa	aaacagctca
20341	tacaaattctt	catcaactctt	tgtcttatca	tgcctttctt	gttggttaaaa	agttaaaatt
20401	ctctctctctg	tgaataaaagt	tgaactctctt	ctctctctctt	acacacacac	acacacacac
20461	acacacacac	acacacacac	ttcaaggctct	ccaagaggta	gtctccattag	gttggttagct
20521	ttctttctctg	tatgttgtgt	ctctctctgg	tataacactgt	tataagctct	tataagctct
20581	agcaaaattat	ctgttgacaaa	gttgaaactca	ctgttgatag	aggtatattg	gttggttagct
20641	aaaggtctgtg	ttatgt				

FIGURE 1 (continued)

20761	gaataaaagct	aaaagtaaat	gaaagagtgc	ttattcttag	catttaaaaa	ttaattttta
20821	atttatcatg	acattggtaa	ggtaagaaaa	aatgacctgc	aaatctttct	atatttgcaa
20831	atttcaatgc	atctttactt	tataaatgaa	aaaggcaaaag	agggctatgt	ttaatataga
20941	aaccaacatt	ctttgactgg	ctcaaggctt	ctataattaa	gcatttataa	agtaaataga
21001	gttttccttt	tctttctttt	gacagagaa	ttagtgtgtt	tttctactgt	ttgtagtcat
21061	agtgaacatg	tttgagggaa	atgtctaaag	cacagggcca	agttctctaa	aataattgtg
21121	ttaagaatgt	taaggacagt	agcaggtgtc	ttagtccatt	ttgtgctacc	tttaacaaat
21181	atctgaagca	aatagctaag	ctaagtgtat	ggcctaaaat	caaatgaata	tctagtgtact
21241	cagtacttcc	ttgaaaagct	ccctaaggca	ataacatcat	tttatatgac	agatccagca
21301	ccaataatca	tatgtttcaa	aggtgacata	aaaggtaaac	ctgaggggaat	tttaccctgt
21361	tgacctatca	gtggaatgag	agagttaga	agatttcacg	tttgtctttt	gggaagtgt
21421	ccacaatttc	ttcaaacaca	ggacctaaaa	ccaagtagga	ggaaagctac	agctgagtca
21481	acctgagtaa	gggatttcat	tcattcattc	attcattcat	tcattcattc	attcagcacc
21541	tgtgtccaac	acctgtcaag	gcactacaga	ttcggcagta	aataaaaaatg	aatcatttgt
21601	tcttagagtgt	cttgtttctcc	agggaaacaaa	gacagacagg	caaacaaaca	aagaatgaat
21661	aaaaaatatg	aagtagatta	gatagtgtga	tcagaaagaa	aaagaaaaca	aagtatgaag
21721	atagaaagaa	acaaatgtct	tgggggaact	atttcagata	gagtaaagggt	aaagaaagat
21781	aggaaataag	aagaaatagc	acttctgtct	ttttccaact	ttataaccag	gaattaagcc
21841	tctaaacaca	gcttccctct	tttttcatct	tacaggtcct	catgataata	ccccactag
21901	acctttaact	tccttctttt	cgtacaagat	ctctgtctca	ctaagatggc	acacaacaga
21961	gataattgct	tattttccaag	gtttcagtgt	tttctcataa	acattataat	atggcatata
22021	tattatttta	tatattacat	aatattaata	taatatataa	tattagtata	taatgataaa
22081	tatgtattat	atgtaataaa	taatatataa	actgtatttg	atataataaa	tatatataat
22141	aaatatataa	aatatataat	attcaatgta	aataagatgc	catatataat	gatattttat
22201	atattattaa	tatattgtga	ttttaaaaag	ggttttcttt	ttttcttcaa	cttttatttt
22261	gaattcaggg	atatatgagt	atgtttctta	caaaggatct	ttgtaccaca	ggtagtaagc
22321	ataggactca	gcagttagtt	tctggaccct	tttctctctc	cctattcttg	cagtccccag
22381	tgtctattgt	tttcataaat	actattgttt	tatgtccaca	agtgcccaat	gtttagctcc
22441	cacacttaag	tgagaacatg	tactatttgg	gttttctgtt	tctgcattaa	tttgcttagg
22501	ataatggcct	ccagctccat	ctatgttgct	gccaggaaca	tgatttcatt	cttttttata
22561	gctgaatagt	attccatggt	gtatacatag	caatttttct	ttctccaatc	cactttcggt
22621	gggcacctaa	gttgattcca	tgtctttgct	attgtaaata	gtgctgggat	gaacataaga
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22801	ccaaagttaa	gccacagtgg	cttaacttac	attctcacca	acagtgtata	gcatttccct
22861	ttctccacaa	ccttaccagc	atttgttata	ttttgacttt	tttaataacag	ccattctgat
22921	ttgtgtgaga	tgatatctca	ttgtgtgttt	gatttgcatt	tctgtgatga	ttagtgtaga
22981	gcattttttc	ttatgtttgt	tagctgttta	tatgtctctc	tttgagaaat	atctcttctc
23041	gtttcttggc	cacttttttaa	tgggtgtgatt	tgggtttttg	ttgttgattt	gtttatgttc
23101	cttagattct	ggaaattaga	cctctatttg	atgcatagtt	tgcaaatatt	ttctctcatt
23161	ctgtagggtg	tctatttact	ctatttgatg	ttcttttttg	tgtgtagatt	attcttagtt
23221	taatttaggtc	ccaaactgcc	aatttcttgt	tgcactgctt	ttgagaactt	aattataaat
23281	tctttgctaa	ggagggaagt	aggaaaggta	tttcttaact	tttattctag	gaattttata
23341	gtttgacatc	taacatctaa	gtttttaatc	catcttgagc	tagttttttg	atgtgatgaa
23401	aggtagaggt	tctgtttttc	tgcattttga	taatoagttt	tcccagttat	attcattgaa
23461	taggaggtta	tttctgttat	taatccattt	gpatgtctag	aaaggagtac	ctgaagctgg
23521	gttaatttatg	aaaaaatgag	gtttattttg	ctcatagttc	tttagtctgt	acatgaagca
23581	tatgtctctga	ttctgggtcag	ggcttttagga	agtttaattt	catggaagaa	gtgtgaaagg
23641	gtctagctatg	ttacatagtg	ggagagggaaa	caagagagaa	agaggttcca	gtttcttttt
23701	atcaaaacag	atcttgcatt	aaataataga	gaggaacatc	atgtatcacc	aaagggaatca
23761	ccaaagggaat	gatccaaacac	ctcccaactag	gacctaacct	caacatagag	gatcacattt
23821	gaacatgtga	tttggaggag	acacacatca	aaaccaaata	cgttccccat	tgcttatctt
23881	gtttgacttt	gttgaagatc	agaaggttgt	agaggtatgg	agttactttg	agttctgtat
23941	tctgtttcat	ttgtctatgt	gtctgttttc	atcccaactgc	aatgctgttt	ttgttactgt
24001	agccttctaa	tatagtttga	atttgggttaa	tgtgataact	ccagcttttt	tttccctttt
24061	atttctgttag	gattgttttg	ttactcagga	tcttcttttg	ttccatattga	actttagaag
24121	agtctctttc	taattgtgaa	aaaatgacat	ttgtagtgtg	acaggaatag	catcacatct
24181	atagactggg	ccataaaacc	atttttaata	tattgattct	ttcaatccat	gagcatgtaa

FIGURE 1 (continued)

24241	tggtttttcca	tttggtttggg	ccacatatga	tttcttgag	cagggttttg	taacttttct
24301	tgtagagatg	ttttacctcc	ttgggttagat	ctatcttagt	tatatgtgtc	taggtatttt
24361	attttcatgt	gtggctactg	taaatgatat	cgtgttcttg	atttggctgt	cagcttggac
24421	attattggta	tatagaaatg	ctactgaatt	atgactaggc	tcagtggctc	atgcctgtag
24481	tcccagcact	ttgggaggcc	aaggcgggca	gatcacttga	ggtcaggagt	tcgagaccag
24541	cctggccaac	aggggtgaaac	catgttgcta	ctgaaaatac	aaaaattagc	cagggtgtgt
24601	ggtagcgtgc	tgtaatccta	gccacctggg	aggctgagcc	aggagaatca	ctggaacctt
24661	gaaaggcaga	gcctgcagtg	agctgagatc	atgccactgc	actccagcct	gggtgacaga
24721	gcaagacaaa	aaaaaaaaaa	aaaaagctac	tgaattttgt	acattgattt	tgtaccctaa
24781	aactttactg	aagtcattta	tcagctctgg	gaggcctttg	atggagtctt	tagggttttc
24841	tagataaaga	attatgtcat	cagtaaagag	agataagttg	tttctttatc	ttctctttta
24901	gttgcccttt	atttctttcc	cttgccctgat	tgctctggat	agagctttta	ttactatgtt
24961	gattgggagt	ggtgagagtg	ggcatctttg	tcttgttcca	tattttaagg	ggaatatttc
25021	tagcttttac	ccattcagta	tgatgttggc	tgtagatttg	tggatttgtt	cctttgatga
25081	ctgggtttgt	gagggttttt	atcatgaaga	tatgttgaat	tttattgaaa	gctttttctg
25141	catctattag	gattatcatc	agtttttgcc	tttaatgctg	tttatgaggc	gaatcatact
25201	tactgatttg	catttggttg	accaaccttc	atttcaggaa	tgaagtctac	ttgatcatga
25261	ttaattgaca	tttcaatatg	ctactaaatt	tggtttgcta	atatgttgtt	gaggattttg
25321	gcacttatgc	tcatacagag	tattggcctg	aagttttctg	tatagtgtct	gccagggttt
25381	gatgtcagaa	tgatgctggc	ttcataaaat	gacttaggga	ggagtccttc	ctcttcgatt
25441	tattgcaata	gttttactag	cattagtgatt	agctcttctt	tatacatctg	acagaattcn
25501	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
25561	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	cataagtttt	ataaccatta
25621	ccttatttga	tatatagctt	gtttgccatt	tgacactaac	aaaaataata	ttgtaagggt
25681	attattgaaa	ataagttttg	gtttccattt	ttacctattt	ttataggaaa	agttcatgaa
25741	acaaaatatt	taaaataaaa	gatatgtact	ctttctgtct	cttggtacat	attgtggagt
25801	tgattttccag	aaggttttat	ggattttcac	ttccacgagc	agtgtacaaa	agggtatgga
25861	aatcttggca	agcattactt	ttcaaaaatac	tttcttcaag	gttttagggg	aaaatagtgt
25921	ctgattctct	ttatcctcct	tttttatttc	ttaaatttat	agtgatttat	ttacttgcta
25981	aaatattttt	tgccacttct	gtttcttatg	tgagttgcat	attcgtatca	gtggtgtgta
26041	cattctagtg	gagttagaaa	ggacggtaaa	caaatgtatt	gggaagggtat	aatcttataa
26101	aagaaaaata	aaatgagatt	agagtgtatta	ggttgaaaga	taccattata	gctactgttt
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26221	agaggaggat	tacaggcagc	ggggaccaca	gtataaacgc	tcttagctga	ggatgtgttt
26281	gatgtgtctg	cagagcagcc	aggagaacag	tgtgcctgca	ttagggaaca	ggaggggata
26341	gtgatggaag	agatcagatt	gacagtcaag	accagatctc	ttagggtactt	ggagtgtgga
26401	ctagggttaag	gagtttggat	tttatttgaga	acaagaggta	aaccttataa	aaaatttgga
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26521	tgaatgtagt	acaggctgat	ttcagcccca	ttttccctct	tagcctctct	aaagggtggc
26581	tgtatttatc	agtacagttg	ctaaactata	tacattgttg	ccttgaattg	atagagttac
26641	agctatatca	ttccggccag	tagaaagaag	ggattgacaa	tggccagggt	agatacaggg
26701	aaattcttta	agagatgatt	tcagtagtct	aggagaaga	ggatggtgcc	taggtttaga
26761	ctactcacag	aaaagatggt	taggagaggc	tggatcctgt	aatgctgata	gaatttctgg
26821	tcaacttaga	tggggaatgt	gagagaaaaa	caggagttaa	ggatgactcc	aaattttatt
26881	cttaaaaattt	tgcattcttag	aagttttaat	ttgtttaagt	cttaaacacca	atttagtata
26941	tactctacat	gctttttttt	tatattctca	ctcatgttta	catagattgt	aaacacgggt
27001	tactctgggt	actgctttac	tcttatttta	atacttacta	ttaaaaactta	tagtcttctt
27061	tgtgtctgta	atgttatcta	aatgtttatt	cagcagaatg	ctagtgggtg	aaaaacaggc
27121	cttaaaaaata	tttttacaag	gggggtggga	gtgttttaact	ctagggaagta	ggcgaataaa
27181	gctgctgtga	tgcactgagc	agtgaatttg	ggaaaaagca	ttctgcaaaa	tgtcagccga
27241	tagcattgaa	aaatagcaga	gctgcttgaa	gcagattttt	cagttttacag	aaatttgggt
27301	ataaccaaag	catggaagat	gggaacaaat	ggcaggggaa	atctggctac	atgaactgaa
27361	gatcagtgct	gctgcagaga	gtccctgagt	cagcttttgt	ttgtaccaag	gcatacaagt
27421	tatttgggtt	gacaagagat	tggaaatgtgc	tgacaatgcc	cctttcttat	aatcttaggc
27481	agtataattac	aaagctttat	tttgaatgta	gctttttatc	tttgttattt	attgtactta
27541	aattatgttt	aaaggcaagc	actgggatat	ttgtgtgctt	aaacttttgt	taagggcaag
27601	aactggagat	ttgtgtgctt	ggaacagacc	ctactctgcc	tccactttcc	atttaggtca
27661	gtgggcaatt	aatcttctaa	catgaaaggt	ttcagggttg	tagtgttttt	attgaccaac

FIGURE 1 (continued)



27721	ctttacatga	aagtacatct	accatgtagc	tggaaaaaga	tccctgataa	cttttctatg
27781	taccaccctt	agtttttgga	aataggtaaa	ggaagaaaaa	gtgacagact	gagaatgaat
27841	aggcagagag	atggaaaaaa	cagtagagag	aagcaccagg	aggggtagat	tcatacagct
27901	ggatggtgaa	ttttgcaactg	atgtgttttg	ctaacttaaa	acttgttgga	ttacataaat
27961	ttctattaaa	aaagaaaaaca	ctgcattcgt	attaatttag	gcattatfff	tcttgatgac
28021	aaaaatctga	ataaaaaaac	tagttccfff	taataaagga	cattaaatat	cagtatgataa
28081	tagctttact	tgtagtfffat	ttagagatac	tttcaaggga	taaatactff	tctcatctff
28141	ttgaaagtta	taatttggca	attgttttct	gacaggaaca	tttgggttaca	tacagttagat
28201	gtatggttag	atacagtaaa	tgatgtfff	gccaatfff	taactctctg	ggaacagaag
28261	tggagaatgt	tgaatcccat	tcccctgtta	cacacatttc	ttcacctggt	gaactcattt
28321	gtcctcagtt	ttagggcgaa	ttcctcacaa	tttttttcat	aaacttccaa	tttaaaataa
28381	ctttctctgt	taaaacctff	cctcctcttc	gtgtgttgga	acttattctt	agttttactg
28441	cagtttccat	tttaaattgt	ttgtggaatt	atgtgccact	gtctcccttc	acaactgtat
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28621	tacattctct	tcaattccag	catttacttc	gtttaccatt	atgtctccaa	catgtagcac
28681	agtgcctgat	aaacagtga	tgtcagtatc	tgttgaaaga	ataaagatga	aagccctttg
28741	aggagtattt	gcagggtcca	aatgtggtgt	ggagtcaggg	gttaaactctg	tagttgagga
28801	acatgaactt	ctcctgaggt	tggggatttc	ttcccccctc	tcaatctgaa	atftccaaact
28861	gtccctgttc	taacttttct	ttcaataaaa	acgagaactt	ccttagtggt	agatccattt
28921	tgtaaactgc	gtctggggaa	tgtatgcagt	ttaagtaaac	tgcaagataa	atcacagaag
28981	agttaatgca	gtagtgatca	ttttatttagc	ggtccacatt	aatagaatac	agcaatttaa
29041	attgtaatgt	agttaactff	gtcctttfff	ggggttgtaa	ttaatctaaa	catccagcta
29101	tttatgttac	ttataattaa	aggtaggaaa	gccattagat	aactcatttg	ttcatactgt
29161	gtattcaatt	atctgattta	ttattttatct	agtttatgta	ctgagagtac	ataataaaaac
29221	ttaataaaaac	ctcataataa	aacttatttag	ggggcagtaa	atgaagaaaac	atgtttgtgtt
29281	cttgacagag	caggtacatg	gacactcaga	cattaaaatg	gagaccagga	aattaaagat
29341	cagaagcagc	atgtggaaaa	cattctgtct	ggggccactt	attataggaa	taaacagctc
29401	tgtagattta	gatgttctgg	ggaagtaccc	tatcattgga	aaatatggta	agtgatcatg
29461	agtcctcaag	aagaggttat	atftgttttg	tattctttgc	ttaatatca	catttgacag
29521	aatgattttgc	attattaaca	ttattaatag	aaagtgttta	gagaaagtgtg	aaaggcacca
29581	tggtttaatt	gactggaatg	ctttatgact	aaaaatgcag	agagtagtff	gtgaattttc
29641	aggaaactgat	cctattctff	attaaagcgt	attgtgtatt	tctgaaaaag	cacacatagt
29701	atagtttaat	tcagactctc	tgagctgtat	atacttctaa	ttatatacta	gtttatgaaa
29761	ttactgagtt	ccttctactt	tgagaaattc	tggaaattaag	aatgagttag	gattgttggg
29821	gagaggtcgt	tgaagctgac	aaaacactga	atgcttacct	tcgtttctag	gtcacagtga
29881	aatcagactt	cactggggag	cagttttctg	atgaggaatg	tcatgaatcc	tttcagaaat
29941	gggaatgtct	ctgtgtttgt	ctctgtaatg	tagaggcatc	ttgagaggct	ggacttttga
30001	tgaattgtca	taagaactga	ccccatatag	cattggctca	gctttctaac	aagggaattc
30061	tatttccctgc	tacataaatt	ccccaaatga	aacattgact	ctttcagaca	taacctgacc
30121	cagtgcactg	ggtcatactg	gagtatcctg	accctgtatg	gattttatact	gctgagaaaa
30181	tttaaaattgc	gttcaaaaaga	gagctatfff	atgaacatct	accttaaaata	tgcattcttg
30241	ttatgactaa	ttaatgcctt	gctatgtfff	tgtggagcag	tcttgagaaa	ccagggtggg
30301	aaccattccat	ttctaattgtg	ttgtagctag	gaattagtgtg	aattttgactg	tatacgaggt
30361	gaggaaaagag	aaaggaggga	aggcagggaa	agaccagctt	ttccacagtg	acattcttca
30421	acagtattff	ttgccagcag	ctgatatttc	ttccctagtg	ctgtttccaat	gtgtatatcc
30481	taagcccttg	aataaaatff	ttgctaattga	cttaaaagtga	tggcattttg	acagggaattg
30541	gtaactgttg	gcttgattct	atftttacaaa	ctggtttgaa	aaagagagaa	aatctcttga
30601	atattccatt	ctgcttaagt	ccagtggaaa	tctcagtaaa	atattggatg	tgcaaaaaag
30661	ctttacactt	taggatgagc	tgcattatta	tctttttcct	gcacataaat	aaaaacctta
30721	atccaacatt	taggttgtct	gatagtgggc	gtttataaag	ctaccggggg	gagcatttat
30781	caagataaat	tgtggagatt	tgtgttccct	caggataggg	aatgtggcat	ttagaattct
30841	tattgtttag	aaagtcacag	aagatactff	aaacatttct	taaaattttta	tttatgtaac
30901	agactcatct	tttcaggtta	gattttatgag	ataatttggg	gtccttcaact	acttttaaca
30961	ttttcttaaaa	atftttattga	tgcaggagac	tcatctttta	agattagtct	tatgaaataa
31021	cttggaatcc	ttcttcaactg	ctctttttca	caaacctgtc	ttaatctgtc	catcaatgtt
31081	gtttagcttg	ccttagaaaac	atatttcaaat	ggatgactff	ttacctcctt	tactacgtct
31141	ccttgctctg	atcaacctgg	tctctaaact	agaaacctgt	tcagaaacct	cttcaabaga

FIGURE 1 (continued)

31201 tttcctaatt ttgtccttgg cctctcctgt gatagcaacc agggtaatcc tgttaaactt  
31261 gagtcagatt atgagatgca gtattgcata gcagtttaaga gcacagcctc tggagctagt  
31321 ctttctcggg tcaaataatga gctctgccac ttaccatata tttaaagttg ggcaacacag  
31381 ttaaagttaa tattggaaga gcagtaatac ttggattaaa tgaattaata gtatctatat  
31441 ggtagacatt gttattattg tattgttatt actgttattt tagtagctat tatatcatct  
31501 ctttactcag aatcctctac tagcttgcta ttacatttga agtaaaaacc agaattcttta  
31561 caatgacctc ctaggccctg cacagtctat tcattctgac ttctgaactc atctcatctt  
31621 cccttgcata gtctcttctg gccattctgg atgcctgctg tccctccctt tcttccactg  
31681 ccaatgtatg aggcctgaac ccagcccagt catattctct gtatttgttg tttcctttta  
31741 ctggaaagat gtccctcaaa tatctgcata gctcacttcc tttgcttcag gtcaccctct  
31801 cagtgaactc tggttatgtc atccaagata gcaaccatt caagactccc tgcgacactc  
31861 tatgacactt cgttctttat ctttagccct gaaagttaaa tgcaaatctt tgtttgtttt  
31921 ttttttttgt tccctgtatt ggaatataaa ctccatgatg gcagaggctt atttttggtc  
31981 tcttgtcctg tcttgaatgc tgagtctcta gaacagtggc acatagtagg cacacagtaa  
32041 cattgaagga attagtgaac ttatggcacc tggttaatc tctgctcaca acctcatgtg  
32101 gtatcatctt tcccatgtat acccagtatt ctcttagctg tgccccctgt ggtctgtgat  
32161 ctgctccatc ttggcttcca gctgtccact cttaattcta aatggtaatt tgcaattaac  
32221 catttctctg cttttgaata atgaaaacac gaatccctct ccatttctga ctagcaaaat  
32281 attctcatgt ctttgagacc cacttaactg tttcttcccc ctgcggtatt acctcaactt  
32341 gtcttgattt ctccctcctg tgatttatcg ttgcccttca ttgtttaacc tctcatagg  
32401 gctgttatct agaatcagaa ataccaattt ttttattatt tggcatacct aggatggtat  
32461 tttttttagt gtgatccctg ttgagcgtca tccgcatctc ttcatgatga tacctggtac  
32521 tcggaattta tccccagga gctcccccata caaactgaat cagaaactct tggggtgtga  
32581 cccaaacaatc tcttgtttat acaagtattt gggtagttgt tctagtcctat gctaattgctt  
32641 gaaaagcact gagcaaggac attggcatga tggctcagtt tccagactgg gaatatctga  
32701 gattaagggt ccagttgggg ccagtgctgt ggctcatgtc tgtaatccca gcacttgggg  
32761 agcccaaggc aggcagatca cttgagacca ggagttatag accagcctga ccaacatagt  
32821 aaaaccctat gtctaccaga aatacaaat tattagcggg gtttgggtgt gagcacctgt  
32881 agtcccagct actcaggagg ctgaggtggg agtatcacac ttaaacagtg ggagctaatt  
32941 gaatcagagg tcattacgtc ttaggagagt ttttgtgaat gtggcagata gagcttctta  
33001 ctgcatcaaa atggtgctat aaagccaatt atttagaagc aacattatgg agctgtattc  
33061 ctgttatttt cagaattttt atgctttgat atatggaaaa taccttttag tcaattccat  
33121 ctttttttaa aaatcgcagg tcactcttga atcatagttg aaataaatag tttttctcat  
33181 taaagcatta acatgtcagt tcataataag ttttgtaatt cagaatggaa ccaaagaact  
33241 tcattgtttg gaatacaggt tggatatccc ttatgcaaaa tgcttgggac cagaagtgtt  
33301 tcagatttcc agtttttaca gattttggaa tacaatcatc tgttgcataa cgacaaagat  
33361 accttctgag aattgagtca ttaggcaatt tcgtcattgt agaaacatca tagagtgtac  
33421 ctatgtaaac ctataggtg tagcttacca cacctagaca atatagttta cactactgtt  
33481 tctacactac aaacctgtaa ggaatgttac tgtaccgaat atttaggtag ttgtcacaca  
33541 atgggtatttg tgtatctaaa tatatctaaa cataaaaaag gcaaccatt gtgctatgac  
33601 tgctactata tctactagat acaggaattt ttcagctcca ttgtaatat atgggaccag  
33661 tgttgtatat gtggctcatc attgatggga acatcatgtg gcacattact gtatttatat  
33721 acacataatg agatatcttg gggatgggac ccaagtctca acatgaaatt cgtgtatgtt  
33781 tcataataac cttttacata taatgcaata ttatataatg ttttaataaa ttttatgcaa  
33841 gaagtaaagt tttcgtgtc ccttcacat taggtcaggt gtagaatttt acacttgttg  
33901 tctttcagca ctcaaaaagt tttagtgtga attttggatt tctgggctag gaatgtcaa  
33961 cctgtaatat gaattggtaa agtctcatca ggttcagtat ttcatttatt cagcactatg  
34021 catatgacaa gatatcagtg taaaaaatga aactataaaa gtaactggaag aaaaatgaa  
34081 taattatttt ataattgcaa catgtagaag gcatttctga agtgtagaaa acaaaaacca  
34141 gaagatgtaa gaattaatgg ccgattttta aaagtcatag aaaaaataaa attctatctg  
34201 gaaaaaaaat catacaatca aaacaaaagt caaagataaa tggtaagtgg ggagaaaatg  
34261 ttcaaccac aagggttact tggaaattat tggtagata caatcttaca tgaagaaat  
34321 tacttgtgac catctttatc aattgcagtt ttttgatatt taattttttt ttttggacag  
34381 cagtgcattg gaaacagctt aaatttttac cagcatgctg gttaaaataa gtttcattca  
34441 tacaacagaa tatttatagt ctgactcta tttggaaata tctcgaagaa atacaaaaat  
34501 tttaaaaaga tgccgagtgg aatagagagt atgcacgtgt atgagaagta tccacttgtg  
34561 catgcattaa aatatctctt aaagcatata tcagaaccag ttttattgat attttctgaa  
34621 gggaaagtcag ttaaatatct ggtaaaagt atcaatttct acgtacacta gtccaaaaat

FIGURE 1 (continued)

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34681 taaattacaa ataaggaaag atcagtcaca tatataaata tatttttttag atctccaact
34741 tggcacggtg aatgctagaa tgtttcttgt attttctggg atatactcca taaaaagata
34801 cctccttaca taaagatgag aatttatgac agttttcaac acagagtgaa taataaactt
34861 ttttgagtc ttgtggaat tccatagaag atgatatttg tagttgtctt catcaaatca
34921 tcatttaatt ttatgtactg aaaatacata atatacagat tcaattttct agtaatatct
34981 tatatagcaa cttcaactcg tagaacaatt tggagaactt cagcaacttg ttggggagg
35041 attctgagct gccaaaactg atgctataaa actttcaaga cagtatgagg atgggctgct
35101 cctcaattta aatgtattca ttttatgcaa ggtagatgca atggaagata taaaatcaac
35161 tataaaaaatc atgttattat gtgttcattg caatgtggag taaagtaagc aaatatttca
35221 ctataattga agatggtaaa tgaaagtatt gacttctgtc catttttgtt cctgtttcag
35281 tcacaccacg ctttatcagg tctgctttta attttgtgta actcatccat ttattttcat
35341 tgctttaatt tcggcagact tgtacataaa ggctgtttat tttccggtat gaagaataaa
35401 atgttatctt gattcaggca cctcaccctt acaactttct cttagagcat ggcttgccca
35461 agcataagcc taactcaagc tttctgtctc agggcaactc tccttattca tatgcgaatt
35521 ggcaggaatg tattacctca gccctgtgctg gtttgtcctg gttcctgact ttactattga
35581 tccccttttc atataagcat tgaaaatatt tttagtgtct gtgtaaaata tgaaataaac
35641 agtaacagat catatgtgtt tcagcaagct acataacctt ggtatcagat ttctggcagg
35701 cagttcatat tctctaataa agcatttggc tagcagatgg gttaccccat cccactcaaa
35761 gaaggtttct cattcatttg tggaggttgc tgaaaccttt gaaccttgg aattcagcag
35821 attaaagtcc gctctatttg tgaaggggca gatccatttt cctttgacat taaaattata
35881 tctagtatat acatttttat aacatttgaa gggatcaaat gtgttttcca agtcataaat
35941 tctggaaaat ggctctatac tctttgtttt aatttttata aagataggaa acatactgct
36001 ttccaagat aatcttttca ttttgatatt tgtttattgt actttgtatt gatattgaat
36061 ccgactcct catttaattcc cttctctatt tccaccccag ccagttcttt ccaactaaaat
36121 catatagaga aaatctagta ttgttttctc ttcaaagtga atgagttggg ggggagatag
36181 tgaatctttc ttcttttttt catgtagaaa aattctcaat cctcaacta ttcatgaatg
36241 atgtgattgc tagaccctcg aacctactgg ttaaactcct tatttgtcaa aattctcctt
36301 aatttagcat cccaagctct tataattttc cacagatggg ctatacagat tacagtgtaa
36361 tcatcacttc tcttgtaag atagcttttg tttttgttg tttgggttg tcagccatct
36421 cacatttttg ctcatttttg agtttgtatt caagtaaggc ccataacaca cttttttccc
36481 ccaacttttt aaagtcaagt tttactctga ttgaacctcc tcccgcctt gtgtgatcat
36541 tctttgctgt ttgaatttta cttttccctt ctgaactctg gaaagaattt gctgaaactc
36601 agtgtatagt ccttggtgc aatccagccc tttcatttca nnnnnnnnnn nnnnnnnnnn
36661 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
36721 nnnnnnnnnn nnnnnnnnnn cttagcctcc tttctgaga agcactttat aaaatcattt
36781 gacctcttct gttgtgtttc cgacttatca tgctgccttc cagcttgtat ctgtaatttt
36841 ccatactaca aagaaatttg ctggccctga cacatcgatt ttctctgtta atcttgtatt
36901 gttcattgtg aattaataga ttgtcatgca cctaagttag caagtctacc ctctgagata
36961 tagataaagt cttaccatac tgaccaatga aaagttaggt tgcaagaagt acaatgotta
37021 atattcacta acctctagag aaggacttct caagctttaa atgtatacag atatacccat
37081 acgtgctac tgcctgctgc gctccgtaag ccacgcaagt cttgagaaac ctttgacaaa
37141 gtgcaatctt cagttgagta gcctcatctg agaacttggt agaaatgcag aagcttagcc
37201 cttactccag atcaactgat cagtacagct gtaagtgaga agcactgtct taagatcagt
37261 aattttttaa ggaccagcag tattggcctc atctgggaac ttgttagaaa tgttaattct
37321 caaaccocac tccaggtcta ttgaatcaga atccctggaa ggttctgatt caatagaatt
37381 agtagctgtg gttgtcacag cctacaaaat gatgctgatg caggctaagt caaggaaatt
37441 ctggctctaga gtaatggctc tcaaaactttg ttgcacaata gaatcagcag gacagtctct
37501 aaaattctct atagccatat catgtcttcc aaataactca aaatgctga ggtttagaaa
37561 cagccatcag cactttttaa agatcccagg ttttttcaa gtgcagtcac gttttgaaa
37621 taataacttaa attaccaa atgcaaatggc actctggcag ctgttctctg ttactctcat
37681 gtcagaatca cccagctgat gccatgatcc catttccaga gatgtgact gaataattct
37741 gggatcaaaa attattttta cctttaatgt ttttttatt tacaaaaaga aaaactcaat
37801 atttttcata cactgttcta tgggtcttta taaatgcatt gagtcattgt tccatttcca
37861 gagtcattgat gaagagaagt tccatcattc acaaaaactt ctcttcacag aaccttttta
37921 ggttaacctt tctccaccca tcagcccatg caaccctga tttttcttt tatatgtgat
37981 ttagaataat ttatattgat ttattgtcta attaacagat tatttctcca ttgtcatcag
38041 gtccactgaa gagccaaagg cattcttcat ctctattact gtctcatatc tagtgcctcc
38101 attttgcctc attctatata tcccatctc totgtgaaa gctccatct catcttgcat

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FIGURE 1 (continued)

38161 gtcattccaaa ttttaatatat tacacattgt tatttttagat tctgtgtcag atagttttcag  
38221 tgtctgtgac atacctaaca atcactgggt tgactgtttt atttcttggc agtgtgttta  
38281 ttcttcttgc attctgtatt gtgaaagtaa gtaattctaa atttaagctg cttggaaatt  
38341 taaaatattc tgagcctaaa aggtgccagg gaagacctct ttctattatt gatcttcatt  
38401 atagatcttc attataaactt tctccttacc tttcttacct aaaggcttca tgattatcac  
38461 attgcctaca acggaatgtt aaatacactc atttaaatg gaaaggaaat gaaaataagc  
38521 tgtaaagaaa acaagctgta gagaaaagaa aacaagctct aattaattaa attgtaactc  
38581 attgaccage cttggataga atttcttttt ttctgcctat agaagcaaga ccttaacttt  


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38641 taattttcaga gcactaacct atttctctga agtccatgtt tccaggatgg ccataatcag  
38701 ctttttacct gaataaaactc tttaaaactg gattctgac cttttgatta ttttagttag  
38761 tcagtatgca tctctttttt atttaaaatg gccagtgtg tattatagt taagtacagt  
38821 agacccctga acaacatggg tttgaacatc atgggtccac ttatactcag attttcctct  
38881 acctctgcta cccaagaca acaaaaccaa tccctcctct tccctcctct cctcagtttc  
38941 ttcaacatga agacgacaaa gatgaagacc tttatgatga tccattacca cttaataaat  
39001 agtaaataata ttttctcttc tttatgattt tcttaataac attgtctttt ctctagcata  
39061 ctttattata cgaatacact atataataca tataacatat atgtattagt ttatgtttatc  
39121 agttaagtct ttctgacaac agtgggctat tagtaattta gttttgggtga agtcaatgtt  
39181 caagggtcaa ttgtacaggc tcaggtaaatt aggttttaca cctggaaatg agcactcttt  
39241 tccttctgtt aggccttttag tgtggggatt gtgttaattc agtcagaggt tagtctgagt  
39301 ttaaggtttg tagctatggt tacaacctc agtgaacctg tgatattgtg atttataata  
39361 caaaatatat attcgctttt tgttcttgtt tctgtttaca catctcctga agcactttga  
39421 atcttcaaag tgatgactgg tggcttgtgg gttcctggat agcccaaga tgggggaaac  
39481 tgggtgtgtg gagaatgaac cctgtgatta caaagtgtg attttcaacc ccatcccctg  
39541 atctccaggg agaggagagg aactaaagggt tgagtaaatc atcaatagt agtgattcca  
39601 tcaatcatgt ctacacaaaa aagcctccat aaaaaaaca aaggacaggg ttgagagagc  
39661 ttctaggttg ctgaacacat ggaggttctg gaaggatggt gcagccagag aagacgtgga  
39721 agctccacac ccgtcttctc ataccttaca ctctgcatct cttccatttg gctgtgcac  
39781 tttatccttt gtaaaatgct ttacaataaa tgagcaaaac tacgtgtttc cttgagtttt  
39841 ataagccact ctagcaaat aacctgagga gggggatgca gtagtctctg atttatggcc  
39901 agttagttag aagaacagat cacaacctgg gacttgtgac tggcatctaa agtgggtgca  
39961 gtcttgcaag actgagctct gtgagatctg acattatcca ggtagatcat gtcacaattg  
40021 agttaataacc aaggtggtat ctgccagaga attgctgggt ttatggggaa aaattttccac  
40081 acatttgagg tcaaaaagcgt tctggaagta tcgagaatga tgagtgggt gtgaaaatgg  
40141 aaaaaaaaca ctgttttatt ttctattct cacagaacca tatactttaa atttctctag  
40201 cagtaacgta agagtaagag ctgggttctt agagggtttt ctcatatctt cttcaccatc  
40261 agttttaagt cttctcttta tattatgcct tagagtggct gtgttttcaa attcttgtct  
40321 cactctcagc agtattgcag tcttacatgt tacatgacct tcttaattct attgtgcagg  
40381 acatgtagag agtgttttgt tttgtttctaa ttaagaacaa aataaaatgt cttagaacgg  
40441 caccgtgttc ctgggttttg ggggtgtgtt cttctcaatg ctcccacctc actcccaact  
40501 gtgggtttgg gccaagtcgg aattcctgcc tcttttaaca gtggcagcat gttttttct  
40561 gttcttcaac ccccatcttc aatgggttgt caccatgct ctgagtagat taaactctta  
40621 ttctgtgagg gacacagggg gcaggagtcc aggtgaaatt ttgcacgac acacagrggc  
40681 tgtgtttccc ttctctcagg cttgcactgt cagagatgct ttatcagaac tcttgcagc  
40741 ctttatcggg acctgctggg atocctggag aagaatatgc aagggaataa gattgttct  
40801 ctccctgtga cctccagggg ctccataata ttttaccac ccacatttat gctgogccaa  
40861 tttgttacct gtttttagct aattattctt tctggtatct tctcataaca totaccocaa  
40921 gaaagtagat gctgggtgct gtctatccct gcagatgct gactttttt atattttatc  
40981 cttattagcc accctacaag ctacagctct tgatgggttc aagaaaagcc atgaactat  
41041 agtttgttca tttctttttg ctctagaggg tgtgtgtgat aacattttca gttttctaca  
41101 ttccaaaagca gaaaaccagaa gtctggattt ttaaaagcat ttcagttcat ttaattgtgc  
41161 atccaatctt gaaaaaccatg gcttttttag aataatcttt gaaggcaacg atattcttca  
41221 agtcagaaaa tgtgtgctt gctttttgct gttcatgtta tattactcaa aatataaaca  
41281 ggagatccta ctttttagtag attaatattt gacactaagt taattttgct ctcatgttt  
41341 tcttcccat ttacctgttt ggttcaggac cttttatgag gctatttagt tgattttatc  
41401 acattgacat tctgttatct attgccaaac taagtgtata ggtttctagc tccaaaacaa  
41461 acaaaaccaac acacaaaaga caaagaaagg gaaagatgaa gaaaagataa taactgaaat  
41521 gtactcctac atttttcaaa ccagagaatg atcaaacaaa aataaattag tggaaactga  
41581 agaaaataat gagaaggjaa tgagtgcac atatatctgt taatcagctt gtcataata

FIGURE 1 (continued)

41641	catttgaaga	aagaatatgt	caggtatata	tttttccaag	tcaatatacg	agacgtaaaa
41701	tgagaaatgg	ccaacttcat	aaaattacac	atctcttttc	cattataaga	atactggaat
41761	aaaaattaaa	agttagaatt	accttattta	aaacaaaaaa	aaaaccagag	attcaaaatg
41821	aatgatcact	taaaatactc	cttatattgt	tctacactgt	gttttacaaa	tagaacttcc
41881	agtgttagtg	attctttatt	ctttgaaaat	tgagacctag	gccgagcatt	gtgggtcatt
41941	cctgtaatcc	cagcagtttg	ggaggccaag	gcaggaaagt	ggtttgaggt	caagagttca
42001	agaccagctt	ggccaacatg	gcaaaaccct	atctctacta	aaaaatacaa	aaattagctg
42061	ggtatggtgg	cacgcacctg	taatcccagc	tactcgggat	gctgaggcag	gagaatcgct
42121	tgaacccggg	aggcagaggt	tgcagtggag	caagataaca	ccactgcact	ccagcctggg
42181	cgaaagagca	agactccgtc	tcaacaaaaa	aaaaaaaaaa	agaaaaagga	aaagaaaatt
42241	gagacctttt	agttaatttc	ctatagaaat	tatttttgag	aaattactaa	aatttccctt
42301	attattctcc	tttcagttat	tatattagta	tattaaaggt	actatttctt	aatacactaa
42361	cattctcagt	tttagaaaact	tcacttccca	gattcttcta	tcttcacata	tctaattgtg
42421	actcagaaaa	ttatctgaca	aacatctaac	cagtattgta	ggagcatcta	aagacactaa
42481	agaagaatta	caaaacaaaa	atcataagga	tttttctgac	ttttgattca	ttttgcttct
42541	acctctattc	cttttcaata	taacacagaa	acacacacac	acacacacaa	atgcacacac
42601	acacacagat	ggctacacac	atattatttac	agataactga	tttatatccc	tgggaagtatt
42661	taaacatgaa	atgtaacctc	taattttatg	tacagtacac	tttcttcttc	ctggatacta
42721	ttctattttc	tattccagat	acacacctaa	tcatggttgt	atatggaaaa	ttcataacaa
42781	aggggaagta	ttaaaaattc	tgaacatgt	ttctttaatt	ccaatttcaa	caaacctcca
42841	ttttcaccta	gctgtctagt	catatgctta	ctatttcaaa	attgggcaat	tgctataaaag
42901	tgtaattctag	gctgacttaa	taccaggagt	cattgatgtt	gtgaacacag	cttaaaaataa
42961	cctcccaatt	taacaaaaaca	ctgcttaaat	tacatgcgtt	aaaagtagta	cctttggtag
43021	gctcatgctt	taactgatat	caacaattgc	ccgagaatgt	ggaagtacgt	gaaccaaaaa
43081	aggagcattg	ccaattaatg	cttttacaat	ctgtgagcaa	tttggaacaa	ggtctccaaa
43141	tgtagacaag	aacactaaaa	acattcaaga	aactgctgat	gaacaaaccc	tggggtgtat
43201	agctacagtt	gggaatttac	catcattgtc	tggtcacact	aggtcctctc	agccacagag
43261	aattgagggg	tcatgtgaaa	atatatacat	tttatttttg	ttgattaaaa	ttttactagt
43321	ttgtattaag	gtggatttat	taggtgaaaa	taaataaaaa	tatattttat	caaaaagatg
43381	atacatgaac	acacatagtt	ctctttcttt	gtgtaagcca	gtcagttgca	tctgggtgac
43441	tgcattctag	aaatcagagt	gcacccaaaa	gttcacaggc	ctccacagaa	gtaggggtta
43501	aaaaggcaat	tcaatctagc	ttcaagttgg	cagagtcaca	tcagtcocaa	gtctctctag
43561	tgatccacat	aagtggagaga	ttgtaataat	actgagctat	gaacaaaggt	aggaagaata
43621	bagagaataa	ttttctgtag	cccacttata	ctgggtccag	ataaccactg	tgcacttctt
43681	cctgactgca	ttgggagctt	gaattcagct	atgaaaggaa	gaatttagaa	catgaaaaat
43741	aacaaatcag	gtttgtttat	ttgtttcttc	cagagagcta	gtttattago	atgtttctag
43801	aattgtatgt	tacaataaaa	aatgacatga	atgtcagtca	gtaaaaactt	tagajacatg
43861	ctgtgcattt	gtgttccaat	tttgagagaag	cttatgctat	gaaaaaacta	agccctctac
43921	tgaagaagaa	atgcactaga	aggtctatct	aaggtgatat	ccacagacaa	aagctctatt
43981	ttatttgcct	agtataaacac	agttctctatt	gatgaagggt	ctctataaaaa	tagctctatt
44041	tgotaatttaa	caggttggca	acaatttgcg	ataagaagta	gaaaagttac	tgaagtgtat
44101	gtgaaattca	gtctctttta	attatctttt	ttctctacat	ctgaagcaca	ttttctctct
44161	tcaaaaaata	tgcgctgctc	tttgccctgga	agtacccaaa	tataaaacctg	aaggctagaa
44221	aattttgtgg	tcagatgaga	aagtcctggaa	aagctgccta	agtgaacact	gtgtattctt
44281	tttgcagtgt	atgatagaaa	cttcattgtt	atctctcgat	tttcaatttc	taggtctctt
44341	caatcttgcg	gtctctattt	ctctctgatt	ttgtcttgaa	tttaacctca	gtgtatttaa
44401	gaaatctttg	aatctttatt	ttggagttat	gtgtatttgt	tgaaacttag	aaattatttt
44461	gtaaactttg	tgagagtttac	cttgattttca	agctctctct	taattgtatt	gtgtctctct
44521	tagaaaaatga	attcagctcat	tacaaaaaac	tgcttgaaaa	agttcaactt	aatctttatt
44581	aaaatcacta	gtgtttcaac	cagcagagag	ctgaagttaa	aagtgtactg	gaaattatgt
44641	acatccagagt	tttgtttcaa	ggactctgga	aatcttttag	atccagataa	taattctaat
44701	tttttaattat	tgaattgtta	aaatttgatca	aaattcaatt	agatgctttg	agtttagtta
44761	ggccggtaaa	aaataaaaaat	catcaaaaaac	aaaaaaacctg	aaagcttttta	gatttttaaa
44821	gtttgtctct	aagggtgtaat	tagtaactgt	atttatcaaa	tattatggca	caatttttca
44881	aagcaaatca	ttcagaatat	tattttacac	actctaaact	tttgcctaac	ctgaagttaa
44941	gatattgaaa	caacattaat	aaacatttat	tataccatac	acataatttta	gatataatcat
45001	aaagtgtatga	attacacttt	tgattctctac	tattaaaaac	atataattaaa	gttaattagaa
45061	tgaattatatt	tgtaaaactt	gttaaatgtat	gtgtaaagtt	tttagctttt	gttaattttta

FIGURE 1 (continued)

45121	aaaatatata	atattttcaag	tcaattacta	cacttgagca	tgctgtatat	aacaggagta
45131	gagaaagaca	aaggagggt	ccatcgta	cccacaatgt	ataacagtgc	atctcttact
45241	ccttaaaatc	cctatttgtt	gatgccaaa	tttggaaaaa	agtctatgca	aagtttaaaa
45301	aaaattcaat	gaactccact	agtgaaccaa	tatccccact	gaaccattct	agatgtccac
45361	atgcctagtt	gtcgcagaca	tacctgagtc	cagaaatgct	agaagctgca	agaattctag
45421	tctgggcatt	gataaagaaa	agactgcaaa	aatatattgt	ggattcccta	gggcctacct
45481	ttgaatggac	ttagccacag	acaaagctct	aggttcctct	tttagctttt	ccatattgac
45541	tcctgggtta	gggatagtga	aaacttacat	catagaactt	attttagaga	agtaaaatta
45601	gcaaaattgg	tggagtaaga	cctctgaaca	ttctctcctt	tgtaaaaagct	ttgagcaact
45661	ggcaaaaaat	agctttgtca	gaaatctgga	aattaaccaa	agacttgca	taatctggag
45721	agtatttgg	gagaaatatg	gtttaatctc	aataaaaaaga	gcaagctttg	tgacatttta
45781	acttgcccta	ttttcacccc	actctccaga	tccatggttg	cctcaaaaat	ccttagccca
45841	caattgcaat	gaacaccagc	agtcacgcag	ccctcagagg	aggcagaatg	ggattggaga
45901	tctgtcaaag	cctcattctc	aaaggactgt	ggtacattgg	aagatctgat	ttgcaatggt
45961	gggttttatt	gatctgtcta	tgaactcagt	cacaaaaaga	caaaaatagc	acaattccaa
46021	atctatagta	gtcaaaccat	actactatga	atctatctaa	agtagcgaaa	ttcatagaaa
46081	gtagtcaa	tcgtagaaac	aagggtatata	atagtgtatc	aagggtggt	ggcatgagga
46141	aaagggaagt	tgtttaattg	gtatagaatt	tcagattttc	aagatgacaa	gttctgaaga
46201	cttgttttat	aacaatgtga	atatccttaa	cactattgaa	atatatactt	aaaatggtta
46261	acatggtaaa	ttttatgtaa	tgtgtttttt	cccacaataa	gaaaaaaata	ggaaaaacta
46321	ataccagctg	gctttttttt	ttttgcaaaa	attaacaagg	tgatccttaa	gaaaaatgtga
46381	aataaaaaaga	gactccaaaa	aatcaaaaaca	atattgataa	agaacaaaga	gaacatacat
46441	atcctgattt	caaaacttac	tatgagactt	ttgtagttaa	gatagtgtga	tactggcata
46501	aagacagcca	tacacatcaa	tcaaatagaa	ataagggtcc	agaaatgaac	ccctattttt
46561	attggcagct	gacttcaaca	atagtgtctga	gacaattcaa	tgtagaagga	agagtctttt
46621	caataactac	tactgagaca	acgggatatt	cacatgccaa	agaatgaagt	tgtatatcaa
46681	tctcatccct	gtataaaaaat	taacccaaaa	tgaattaatg	aataaaaaaa	cctaaaacta
46741	taaaaatctt	aaaagaaaac	agatatgtaa	atctttgtga	ccttggatta	gctaatagta
46801	ttttagatat	gacacttaaa	acacagaaac	aaaagaaaaa	aagagacaaa	ttggacttct
46861	tcaaaaactaa	aaacctttta	gcataaaaag	acactattga	gaaattgaaa	aaccaatcca
46921	cagaatgggg	aaaaacattt	gcaaatatgt	atatatatat	ttttcatggt	attcatgttt
46981	tttctctctc	ccaagtgaga	aatattaatt	ccttcattaa	aatttttgat	cctttttatc
47041	gactatatgt	caatataaat	aatatgtcaa	taaaaatggt	tctatcaaga	acaattaatt
47101	ctgtaatccc	agcacttttg	gaggccgagg	caggtggatc	acgaggtcag	gagatcgaga
47161	cctgaccgac	atggtgaaac	cacatctcta	ctaaaaatac	aaaaattagc	cgagcatggt
47221	ggcatgcacc	tgtagtccca	gctactcagg	acctaaggca	ggagaatcgc	ttgaacctgg
47281	gaggcggaag	ttgcagtgg	ccgagattgt	gccccgtcac	tccagcctag	gtgacagagt
47341	aagactgtct	caaaaaaaaa	aaaaattaat	tcacagaaga	agggagaaga	ttcatatat
47401	tcatatacta	tgaaattcac	ccatttaaa	catgcaatgc	aatattttta	gtacattcac
47461	agaattgtgg	aaccataaca	aaaactta	tttagaaagt	ttttattttt	cctaaaagaa
47521	acacttgtat	ttattatcag	ttattcctca	actgcccatc	caattttacc	aaccttagta
47581	atctactttc	tgtctttttt	cctgaatata	tatatgtata	tatacttgac	aagagttag
47641	tatagagaac	atataaataa	caaatacaata	aaaaaattaa	tccaattttt	aaatgagtaa
47701	atgatttgaa	cagacatttc	tacaaagaaa	tatacaaagg	gacaataagc	acatgaaata
47761	caactcaacat	catttagtc	tagggaaatg	caaattcaac	nnnnnnnnnn	nnnnnnnnnn
47821	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
47881	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
47941	agtaaatata	tggaacaaat	ctaagtatgt	atcaacagat	gaatggataa	aggaaatcac
48001	gagtaacacac	ataatggaa	attattcaac	cataaaaaag	aaggaaatcc	tgtattttgc
48061	aacaataaaaa	tggttacaa	tgagggttac	taggttaatg	atataagcca	tgcaaaaaaa
48121	gacagtatca	gatgggtcca	ctcatatatg	gatattctca	gttttctctt	tgtcttgaga
48181	ataacotaaa	acottgcaaa	atatctaaat	ttttttatct	aaattaaata	taataaatct
48241	tacccatag	attataaaga	gocagtttct	aatttttaac	gttcattccaa	aagtaagttt
48301	agaataacata	ttccatggaa	ggaatgcgac	aaaattggtt	ctaaattaat	tcaggctttt
48361	tagcatgtct	aaatggaata	cgggataatt	atggggattt	ggaaacattc	taaaaattgca
48421	taattgggat	gactgcacga	ctctgtaaa	tttaattaaat	tcattgaatt	ttacacttac
48481	aaatgtttat	ggcatgttat	ataaattatg	ccctaacaaa	gctgtgtttc	ttaaaagggt
48541	tacttaaaac	actaaagtata	tacatctgtg	tatatatttca	tatgatagtg	acctatgctt

FIGURE 1 (continued)

48601	ccataaaaca	gttgagttgt	ccttaaaaaat	accacataaa	aaataagaat	gttttgcttt
48661	attaaaatga	acatatcctg	aattctggac	ctttaccaga	gctaacctta	attaagagtt
48721	taggaattgt	gttacagaat	gggcatcata	tttcaaacca	tttacaaca	gttttaattca
48781	ttctcccagg	ccctagatta	caattttcaa	ctagattcat	tactctgtat	aaacttttta
48841	aaaagggtgt	tgttttttaa	aaataagaag	ggtaaaaaaa	atttcttatg	tggcttcaat
48901	tgtcatccc	tctttaacct	cctggttact	ttctcatgac	ccctagggtt	tttccacagg
48961	atagtcattg	taggtaatga	tgcagaaaat	gttaatgact	cttcttagac	aacaacttgg
49021	ctgagtgggc	acccatgttt	tcagtttagct	ggctgttctc	acaggagatg	tcagaaattt
49081	tatctgtttg	tttccattat	atatcccaaa	cactaacagt	gcctggaaga	cactgtgtct
49141	tccattaaaa	ttttattatc	ttttctgtca	agctgggtcc	taaagtatca	tctaaatcaa
49201	caaactcaac	ctcaagcagg	ctttaggtat	atcacagtgt	ccttcttctc	atgagaaaaa
49261	aatagggtcc	tactataacc	agttgtccac	aaggacaaat	attagatagg	gggccggagg
49321	tgggggatgg	tgatgcgaga	gtgatggtag	agaaaagtgc	ttcctaaaaa	ccaaaaggaa
49381	gcttgaggat	gtaaaaatcat	ttctgactca	catgtagtaa	ctcttacaag	gagaattctgc
49441	ctcagagcca	aagtgaaaat	gtacatgtgg	caagttaaag	ctgactaata	tgggtgtttg
49501	aaatccatgg	taatttttaa	ccaaaacata	cccagtattt	attctacaga	gctattttta
49561	tgaacttggg	attctttttc	taagtgtaaa	aaaaataaca	aatgctgtag	aaaaattccc
49621	agtacactat	ggctaacact	tgccttacca	tacttcatct	tgcataatag	gtaaccacaa
49681	gcagaactta	atattttgtg	taaaaatata	caggaaaatt	ttacagatgc	aagtgttatg
49741	tatcttttga	aaatttttaa	gtgtgtacgg	cactgggact	tcattatatt	aacatctatt
49801	ttcatattcat	aattttatac	tttcttattt	ataactaatgc	ataaaaaat	tactcttatt
49861	ttcatctgca	aataatttgt	gtctttatat	tttcaaatg	agaaaaata	tgtaaaaaga
49921	ccttcctaag	ttagagggga	aaattctatg	ggacttaaaa	tgagcaatca	ataacaaaaa
49981	caataagac	acagaaaaata	aaataaagga	agtagtaact	aataactcat	gacaatttga
50041	tgttattata	aaattataag	aagatggcaa	aaaagagtgg	atattttaat	taggagagtg
50101	aaatattaca	caaaaatacat	ttacattaaa	aagggtcttc	tttcttagta	acacaggctt
50161	tctaattgtct	cacttgtatt	tataactttg	cgtggtcttt	tttcttctgt	ttaaccagaa
50221	tccattaaagt	taccctgtctc	aatagtaaag	ctcactatga	tctttattct	taactcaaga
50281	ctaaagtatg	aatttcacaa	aaacgttagc	tcttgccatg	ttgtctcatt	agtgtttatg
50341	gtaattcatc	atctttaatt	acatcatctc	agaccatagt	tgatataatt	tgaatctacg
50401	tccccaccca	catctcatgt	tgaacgtaa	ccctcagtgc	tggagggtgg	gttgggtggg
50461	aggtgattgg	atcatgaggg	cagtttctaa	tggtttagca	ccatcacctc	agtgatgttc
50521	tcattataga	gttctcatga	gatctgattg	tttaaaaagca	tgtagcacat	ccctcactt
50581	cctcctgtct	caatcatgtg	agaccttcat	tcctcctttg	ccttctgcc	tgatccaaag
50641	tttcttgagg	cctctccaga	agccaagcag	ctggccagca	tcattgtttc	tgtacagcct
50701	gtgaaattgt	gagccaacta	aatctctttt	ctttataaat	tatgcagtct	caggaatttg
50761	tagcagcaca	agaactgatt	aatacaatag	ttttataact	agtaatatct	acttttgcct
50821	cttttttttt	attatacttt	aagtttttagg	gtacatgtgc	acaacgtgca	ggttagttac
50881	atatgtatac	atgtgccatg	ttggtgtgct	gcacccagta	acttgtcatt	taacattagg
50941	tatatctcct	aatgctatcc	ctccccatt	cccccaactc	acaacaggcc	cccggtgtgt
51001	atgttccct	tcctgtgtcc	atgtgatctc	attgttcaat	tcccacctat	gagtgagaat
51061	atgcgggtgt	tggttttttg	tccttgcgat	agtttgctga	gaatgatggg	ttccagcttc
51121	atccatgtcc	ctacaaagga	catgaaactca	tcatttttta	tggctgcata	gtattccatg
51181	gtgtgtatgt	gccacatttt	cttaaatccag	tctatcattg	ttggacatct	gggttgggtc
51241	caagtctttg	ctatcgtgaa	tagtgccggc	ataaacatac	ctgtgcattg	gtctttatag
51301	cagcatgatt	tataatcctt	tgggtatata	cccagtaatg	ggatggctgg	gtcaaatggg
51361	attttotagt	ctagatccct	gaggaatcac	cacactgaat	tcacacatgg	ttgaaactagt
51421	ttacagtccc	accaacagtg	taaaagtgtt	cctatttctc	cacatccctc	ccagcacctg
51481	ttgtttctct	attttttta	gatcgccatt	ctaaactgtg	tgagatggga	tctcattgtg
51541	gttttgattt	gcatttctct	gatggccagt	gatgatgagc	attttttcat	gtgtattttg
51601	gctgcataaa	tgtcttcttt	tgagaagtgt	ctgttcacac	ccttcacaca	ctttttgatg
51661	gcccattttg	ttttttctct	gtaaaatttg	ttgagttcat	tgtagattct	ggatatttagc
51721	cctttgtcag	atgagtagat	tgcataaaat	ttctcccttt	ctgtatgggtg	ctgggaaaaa
51781	tggctagcca	tatgtagaaa	gctgaaaact	gatcccttcc	ttacacctta	cacaaaaaat
51841	aattcaagat	ggattaaaaga	cttaaatgtt	agacctgaaa	ccataaaaagc	cctagaagaa
51901	aacctaggca	ataccattca	ggacataggc	atggggcaagg	acttcatgtc	taaaaacacca
51961	aaagtaattg	caacaaaagc	caaaaattgac	aaatgggato	taatttaagct	aaagagcttc
52021	tgcacagcaa	aagaaaactac	catcagagcg	aaagggcaac	ctacagaata	gtaatatcta

FIGURE 1 (continued)

52081	cttttttaaaa	caataattcc	ttgtcaataa	tttttttttg	aaatggagtc	ttgctctggt
52141	gccaggatgg	agtagagtgg	cgcaatctcg	gtcactgca	accttgctcc	tgggttcaag
52201	caattctctg	cctcagcctc	ccaagtagct	gtgattacag	gcacctgcca	ccacgcocgg
52261	ctaatttttt	gtatttttag	tagagacagg	gtttcaccat	cttggccagg	ctgggtcttga
52321	actcctgacc	ttgtgatcca	gctgcctagg	cctcccaaag	tgctaggatt	acaggcgtga
52381	gccaccgtgc	ccaaccatat	tttaatacat	catctacaaa	tataaatctc	agctctttaa
52441	aaagtaattg	aatatagatt	ttaaaatcca	cagggtgttt	ctcctaccat	tcagtaaaca
52501	tgacaaccag	atcatcttga	tcagcatagt	gttccatgac	ttcttttcatt	aatctcactt
52561	tctggccccc	tccaatacta	ttaattccat	caccacctct	ccattcttct	ccttgacca
52621	ggacctataa	acaaaatcaa	catttcattc	ctgagcaaaa	ctcaaattat	gaaagtacta
52681	tgaaaaactt	aaagacatca	tcaacttgaa	cagtactgta	cogtaaccac	tcttctaata
52741	tttcatggaa	tcatgattct	agaaaaaaa	atctagatgc	ctaaatcaga	tcataattct
52801	tcaatgttat	ccatccccaa	aatgccttct	tcaattttta	ccatctcaaa	agttgtgagt
52861	ctaataccaag	gaagtagacc	cagaaagtat	ttctcacatt	acatcatttt	attcctattt
52921	gttttagacca	taaagaagaa	aaatgaataa	atttcccata	tcactttttt	ttcaatctgg
52981	caggaaatct	ttatgatcaa	cattgaaagt	cagtgaactc	ttgatgaggg	gcctttaagc
53041	aattttctta	ctgaacccaa	atgggttttt	cagggaattg	cagagggcac	caagaaaaaa
53101	atcaccttct	ttaccttata	catcttaaac	ttatgtaatt	gtctaaagct	taataaggat
53161	ttttcaatgc	aagatattgc	ctaagtatga	ttaattttaa	tttgatttta	attaccctgt
53221	accctttctc	ttcactattt	gcttgagcct	cagcagctgc	tccctgaatt	ggaaatgcac
53281	gatgacacac	tgactctaag	ggaacagaaa	gtgcaataca	cgcccttcc	cccacacaac
53341	acacaccttt	tctcttcatt	tcacaaaac	aaagtctgaa	gttgccatta	taatgatcta
53401	ctaagagatc	tgggaaatta	atggagaatg	aaattaaaaa	taaacacaca	agaaaaggat
53461	aaaataaaaat	ttaataataa	ataccactag	ttctaacttt	acttaatact	gagccggaga
53521	taaactttgc	tggcaaagcc	tgtggggctc	ccagcctcaa	atgtcctgtt	ataacttatc
53581	acttctctat	tggcaggttg	agggaaaaac	acaacccaag	aaaactcaag	ctgttttggg
53641	tctggattca	aactaggcta	atctagaagc	attaatagta	cttgctctaa	aaattggcct
53701	cctctggccc	tgagatttgt	tccacaaccc	atctggaatc	cctaattcta	atgcaacatt
53761	ggacccaacg	acatctgaga	gtctactctg	tgcaatacac	catgttaagc	accacctctc
53821	atgtttcttt	cactacacta	gtggttgtca	aatttcagtg	tgcatctgaa	tctcatggaa
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53941	agggggagcc	tgattatttt	ttctttctta	tcagtagcca	ggcaatgcag	atgttggtgg
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54181	tatagtgaat	taacagcata	tcataataaa	agttccttac	aagggtgcct	gcacataaga
54241	aacattctac	tctctctcca	ttctgaaccc	taacgattcc	ccaactagat	ttcagcatta
54301	ttttatctta	atttttattt	cacagtgtct	cctatcagtg	catactgcta	cattttccat
54361	ctatcatagt	aacatatttc	taacatgttt	ttcatttata	ctatatataa	catctagttg
54421	ttaccactac	atctcttttt	cagcaaaagt	tagctgttta	ttagctgttc	tatatataca
54481	cttagctgtt	ctatatattt	atctatactt	agtattccag	tgggtatttt	ataaaaaact
54541	cccttttaaat	atactacata	ctcaaagtga	tcagtttttc	tcocaaaaagt	aatcttttct
54601	cttttttaaa	aaaaaagttt	tttgcttttt	gtgttctctc	ctagggtatc	ccttggtttc
54661	ctcttatttg	tagaaaaagc	ttggctgaca	gatccttctt	tctattaaaa	aaaaacaagt
54721	agtaaaaaaa	atggcaggcc	tctcatagct	gagtttaata	gttctatcaa	ttttcccaag
54781	tttccctctg	tcacttgtca	atgagatgtt	cacctggaga	taagttttct	aaaaatgctt
54841	ggttaaaaaa	acattaacaa	tcttcccaaa	tacctctaaa	tgaaaaacaa	caaaacaaac
54901	aaaaaagcaa	aaacaaaaag	aattctcaat	aatagacaga	aaaggcacc	tcttccacat
54961	tgtttctaat	tccctgcaaa	caaagaatca	tcctacgata	gcacaaacaa	ttacagaaaa
55021	aattatgcag	tcagtgaaaa	aaatccctgc	caaatcttat	ttacattgta	tttggtacatg
55081	acctgcccga	agaaaattat	atatatatat	gcacaaatcat	attaactttt	ttttgctgtt
55141	tatatagata	tattttatata	aagcatttgc	aaaaattcag	aaattattgt	ttgagtggca
55201	cagcattatt	ttatcttaat	tattacaggt	gcataaatagt	tgcatattta	tggggtacat
55261	gtgatatttt	gatacaggca	tataatgtgt	aatgatcaaa	tcagaatact	ttggctatcc
55321	cctcacctca	agcatttacc	accatttctt	tgtgttagga	aatatttaata	aagccaaaaa
55381	ctacatgaac	taacagtaat	tatgtaacca	aatgctatct	tcttgttgag	gattacagat
55441	tgtactgctg	ttatgaaaaa	catactttag	gcacacatta	taggattctc	ataggttaaa
55501	ggatatacca	taccttcaca	gtataattga	aataattggc	tgactgcata	aatcgatgga

FIGURE 1 (continued)



55561	atccatcact	ttcttttgtt	gctacagtta	tgactaataa	tttatctgca	aagacaaaag
55621	gaaacaaaag	aagggtttacc	aagatatcaa	atgctcacat	tttacaactc	actacagtaa
55681	ttgagacctc	actaaaaccg	tgggaatatt	ctggtttact	tatctacaca	agactaaaca
55741	aagagctgtc	gaaaaaatag	atgactcaaa	ttggttgtat	tactgccaaa	tgatgaacct
55801	tcaaattgaca	attatttcaa	cgcaaaaaag	tatattgatg	attaagaaaa	atcatgccat
55861	caataaagta	tttcaatatt	gagaaaaact	tccataaaat	gaactttata	atccatgatt
55921	aagattctct	gacattatct	aatcaacaaa	cttcaacatc	atcgataaat	cattcctgat
55981	ttatgacatc	accagtgagg	agatcagcaa	attacattca	tcaaaataat	gacatacaca
56041	aaaaaaacag	atacaatcat	taaatctgat	tctaattttc	taaaataaat	tgtgacaact
56101	gggagcaa	atataaaaca	aaatctta	ttttttctcc	tatccgggat	tgttttttca
56161	tgaaaattct	tacaagcgac	aacattattt	atttgtttt	ggtttctctt	taaagaataa
56221	atggaatcaa	aataaccact	gccctagtaa	atatacaact	attagctacc	attttataat
56281	gaaatattac	tttcaatcca	acataacact	tcttttttagt	aaaattagat	agattttaag
56341	aattgtctca	aaacacctac	ataagctact	acagataatg	attattttta	ataggaaaag
56401	gcatgttggg	aaaatgcaca	aaagaaacaa	gtgcatcaac	aaatgccaaa	agggctggaa
56461	catttttttt	taactgaaga	tttagaagga	cctacacact	aagaaagcaa	aactaacatc
56521	ttttcaatat	tctctgagta	acatcatttg	tttctcactt	gccctctatt	tataagaaaa
56581	gaattcaggt	tttgagtatc	ccctaagcaa	caatcaccaa	acatggcaat	aatgcattat
56641	aggaatcagt	taaaaattat	agcagatgaa	ccaatgtatc	tatctgtcaa	attttgaaa
56701	taactacaat	aaaatataag	taagtacaat	atacaaagaa	atactaaatt	caaacattca
56761	atagtcaacc	aaaaaaaaata	atttccatga	agataaacat	caacattctt	agattttttt
56821	ctaagaaaaa	ggtattttctt	ggccaggcac	ggtagggtcat	gcctgtaate	tcagcacttt
56881	gggaggccga	ggtgagcata	tcacttgaga	gcagcagttt	gagaccagcc	tggtcaacat
56941	ggtgaaacct	catctctact	gaaaatacaa	aaattagtcg	ggtatggtgg	cacacacttg
57001	taatcccgac	tacttaagag	gctgagatag	gagaatcgct	tgaactcggt	gggctgggat
57061	ggtagtggac	caagatcaca	cggctgcact	ccagcctagg	tgatgaggcc	ctagtaaattg
57121	tattttaaga	atacttttta	aaattaacta	tttaaaaaag	ttttcattta	taaagtttca
57181	aacagagctt	aactgattat	gaaaatttaa	cattattcag	agtaaatttc	aaaataggga
57241	ataccacatt	ttatttttata	agaacaaaga	gcttttttaa	gtctatctgt	aataaaatta
57301	ctctatttta	agttacattt	cttaaatgtg	tctatataaa	tcataagaat	taactacaag
57361	tttcagtttt	tactggatgg	attttcacac	ttacaattcc	agtataaagt	taacagcaag
57421	gattttcatca	tccttaatat	gaaaagttaa	ggtggccaga	cccttgagta	gacaaaaatg
57481	ttaccaaatc	caatgactca	gaaggcaaa	cttaatcatg	tgtagtctga	ccatgtccag
57541	caatccctatg	ccaaataaga	actcctactg	tttcagtact	attgctcttt	ataaaataacc
57601	tcaaccaa	cacaaataca	taattttgtt	aaagaaaggt	ctgggttagta	atattacaca
57661	tgaacagctg	tttccctctaa	ggtgctattc	agtatcatga	ctatgataag	aaaaaaatct
57721	tagttggaga	aaaaaaatag	tggtgacatg	tatcaccac	atgctttttt	tttaaccaatt
57781	caagaattca	accatctcac	catttatgaa	gtattactgt	tagaaaacgt	aacctaaact
57841	ggatacgrac	ttttcagatt	tcactacocat	ttatgctaca	aattttaccag	aaataaagag
57901	acaaagatat	ggtgacagga	aagagatgtc	agcaataaaa	ttcagaacat	gagaaattct
57961	ataggacaaa	tgattttatgt	aatcgatggc	aaaagacaga	aaaggggaagg	gaaatatata
58021	gaatattaac	ataagagaca	tttcaacaaa	atgttagtca	cggacctgag	ttgggacctg
58081	atttctaaaa	gctataaaaa	agcattttgtg	agaaaaatag	agaaatttga	acactaatta
58141	ggtattttgt	gatgttgaga	aattagttaa	tttttttagca	tgctaatttc	atttaactttt
58201	tttttaaaaa	gagtccttat	aatttagaga	cacataactga	agtaataccc	tatcaaatga
58261	tatcatgccc	gcaatctgtt	ttaaagttaa	ttggggtaga	tagattaaaa	caagactggc
58321	catatgtgat	aaataactgaa	actgcatttt	ttgttatgtt	taaaaatccc	tataatttat
58381	attttttocat	ctattccatto	acttattcag	tcacacacata	ttttccaaagt	cccttggtta
58441	gttactccatt	gttgcatata	aacacaaaat	tcagtgttaa	aaaaacataaa	acttttatctt
58501	cgtatgggtc	agcaatatga	gctcagctga	atagttcttt	ttattatttta	tttaaaatttt
58561	atttttagatt	cagaggatac	aggagcgtgt	ttgttacata	ggtatattgc	atattggttg
58621	ggattttggct	tctagtatat	ccattaccca	catagtgaac	actgtaccca	acaggttaact
58681	tttcaaacct	tttcaaacct	ctcccaacct	ctgctttttt	ggagtcccca	gtgtctatttt
58741	tttccatctt	tatgtccatg	tgtacccatt	gttttagctcc	caottataaag	cgagaacacg
58801	tggcatttcgg	ttttccaagt	tagctcacat	aggataaatgg	ccctccagctc	caattcatcct
58861	gctgcaaaag	acaggatttt	attttttttt	aatagctgtg	tcatatcccca	tctgtatcat
58921	atatatcaca	tttttttttat	ccagtcaaac	actgatggac	tttttaggttg	gttccatgac
58981	tttggtgttg	tgaatagttg	tgaataaa	ttatgagttat	aggcgtctct	tttatgtaat

FIGURE 1 (continued)

59041 gacttcttttc cttttgagta gatacccagt actgcatggt ctgaagaata cttctcaaac  
59101 gaagaaatag gaggggccaa gaaatatatg aacaaatcct caacattact aatcatcaga  
59161 aaagtgaata tcaaaaccac attgagataa ccatttcaca ccaatcagaa tggcttatgg  
59221 gtaacaggtc aaaaaacaac agatgtttggc atggatgcaa agaaaaggaa cacttacaca  
59281 ttgcttgggt gaattgtaaat tagttcaacc tccatggaaa atagtatgga aagttatcaa  
59341 ataactaaaa atatagaatt cctataaaga cagagtacaa ctttatgtaa aatctctaaa  
59401 cttccaatca aaagaaagat agaaaattat gcaatgtaa tcttttagca gactgacaca  
59461 tctaaggata aggaaagata aaatgtacag agttctttta ccaaacagta ttataattta  
59521 aataactata attaatatct tttccaatcc accctccaca agccaaatga atgatacagt  
59581 gagatgacta aggaatgggt cttcaataac aggcacctgc caaccactaa taccaccaat  
59641 ctataacagc aaaagctatc tcattttctt cgtttcagca agatacctgg caccatgagg  
59701 ttaaaaaaac aagcaaatgg aagctcatca gttagccaat gtaacctcta ttgccacctt  
59761 tggactctat tagataacag atcaatacag ttcccatgaa taagaaacag gtgatgcac  
59821 tatacaggtg ggtagatttg aacaacaact taccaaatga aaatcagtg gagactatgt  
59881 aatcatcttt acataatcct ccaaaatgcc tatcactaca gtaagattta ataaatatatt  
59941 gtraaatggc tgtatatatt gctctgtctg aaaattcaga tgaatttcat aatttcccca  
60001 aaaatcaaga agtcaatttg tttagaaagg ccaaaacatg ctatgtcttc aaagctctag  
60061 aagaaaaaaa aaatgcattg ttggagtcac ttttttctcc aaatagctgt tgatatctga  
60121 acacaattta ccaatattca gtggtgacac aatttttcta ttcaaaaaca aaccatgggt  
60181 ttaaaacaga aagtgttttt gctaataat cctgtcacca aatgctaaag cagcttctga  
60241 agtccatctg aaatcctttt tttttttttt tttttttttt tttttgagac ggagtctcag  
60301 tggcactgaa atcaattttc ttaatgaggg catcacagtt aaataacagc actagccag  
60361 ctgcctttta tccatatctt ctcaagtaac ttaaacaca gttctttaatt ttaaactggc  
60421 aacaataaaa aaaaattatt gtgccacaga agtaactgtg agtacactgt tctcattcta  
60481 caactaactg attttatgac cagacatgtc ttttatctgt aaagattact gtttctcaac  
60541 tttctactaa agaaaaatgt tttcgtagta aaagcataat agagatgttg agaaacttct  
60601 tctgcaaaaag gtcaaatagt aaatatctca ggccttatgg gccacatata ctgtctaata  
60661 caatttgatt ttttccttat ttttttaca ccttttaaaa atgtaaaaaa catttgtagt  
60721 tgtctggctg gctgtgcaaa aacagccaag ggccagaatt ggccaaaggg tcataagttt  
60781 gctactttat catatagttg gccatatgga tctgaaggca aagtaaaagt taaatccag  
60841 ctctatttatt tcttcttggg ttgtacttgg tcagttactt aaactctgcg tctcaactgt  
60901 aatatgtctg taatagcatc tacctgacag tatttccatg agagtaaaat gagttagtat  
60961 atataaagca gtgcacacaa actcctacat atgtgttagg cagcatctca cacatatatt  
61021 caaaggatgc atgtgcaaga tagactgtag gtgatgtgca aaactcagcg agttataact  
61081 cccatccctt tctctaccag agatgctatc cagattgttt ttaaaaaata tggaaaaata  
61141 gtctggaagc tgttttattca aacagttagg caagtaactc tagatacgcg tctcacaact  
61201 ttacatttcc tctccatctc ccagcaagct ataataactc taactcaagt tataatcaga  
61261 actagctcag gtttctgcaa tctgtcttta ggccaacttt gtacactcta aactctctgt  
61321 tacaagaagc ctagagtgtc cacttcaaaa cagtttagata tctgaactgt taactctatt  
61381 ggtaaaatac ctcttaggat agtagagaaa ctccattacc acaatgtggg cctaggttac  
61441 tttctctctc tccaatctca tccaacttct ctctccactt tgttctctct tctccaaaca  
61501 cattgggctg tatttttatt ttctaataat gctgtcaccg tccatttcaa agagaagagc  
61561 tttttcaaga ccattatcta atattctctc ctgacatctt gatgtgggca ctgcttaggt  
61621 aaactctgag ttcttacaca tatgttatct ccttagagag accctctctg accatctaga  
61681 gtaggccagt acccatgttt tcaactgcaat tctacacttt ctctcagggc actcaactca  
61741 aattgtaatt acatattaat ttgcataact tcaaatattg aataactctc aattatgtga  
61801 gattaaaagt tctctctcca atgagactgt aayttacaga aaggcagaga aacttttttt  
61861 gctacaatat agacctccag agtttatcac aatatcaagt acacagtagg tttttaaaaa  
61921 acatttccaga atgagtggaac ttagggggcaa gtaatatcat atgtcttctg tctaggtgtg  
61981 aatgaaataa ttaaacaaaa tccctatgta gtttagcataa tcatctcaaa ttcaaggttg  
62041 gttaaaactc agtaaaagta ttgacttagc caaagtccac taacaaacta ctagtagggc  
62101 cagaagttaga acttcagagt tattctctca tgtcatgtgg cctccctctg tgacaacagg  
62161 ttaagggtctg aagcaatcat ttgagtttat tatgttcaga aaagagatag caaactaaga  
62221 cttcttatct tagaaaagac ttgtttgtaag gttggctcct ggacaggcatc tgaaaagtgt  
62281 gattccatat ggtttccaga ttgtcttcca atgggaaggg tcccatcatc tccatagataa  
62341 gatgtctcac tgtgggtaaa ctatacaaac aatgggggtt atgtctgaac ttgactctcc  
62401 tttgtgggtg ttgaaaattt gttacagagg ctgctctagt gaccactctc tagaaaaggt  
62461 atgtggcaatg aactcttaaa gaggctctat ggtaggtaaa cacttcaaac atgtctctac

FIGURE 1 (continued)

62521	aaccagtttag	ttgcttggag	aattaagcag	atcttgtgtg	acttcaactgg	aaaagaactg
62581	ttagaagctt	attcctgggt	tccttggacc	tcacccatgt	gtttttttctc	attgctgatt
62641	ttgcttttga	tccttttcaca	ataataagtc	atagacatga	gtacaacccat	atcgtgaatc
62701	ctgtagggtcc	tcctgggtgaa	tcactgaacc	cgcaggtggg	cttggggatg	tccgacatat
62761	tatcctagct	acagtcagaa	agtcttatct	gaaagaggta	ctatggggat	agtgcattat
62821	gctgtgttct	gtactcagag	gcgaagctag	agagatataa	aaatgactcc	aaatggattc
62881	cagaaaaata	gtatttggta	cataaagtaa	tcataccctg	ctcttccact	gactgaaagt
62941	catttccttt	aatgtgaatt	atgacctcag	ggtcagtcta	gcaaagccca	cttctttcat
63001	gaaggaggaa	accataatct	aaagagaaaa	caagacttat	ccaggatcct	gcagttaagt
63061	gtaaccaat	ctaagacaac	tcgggattca	cagttactaa	aaaacttggg	tttcctaggt
63121	ttcattgcac	acaattttgt	tgctttgtta	agtactgagt	cacaaaaaac	tatgacgaac
63181	tgaaggcacg	aagtctaatt	ttattttgtg	gaattgttga	agagaattaa	ttttattttg
63241	cagaactgtt	gaaaaaaatt	caagacaaaa	attcctcaag	agtaattcac	gtcacaattt
63301	caacaagaaa	aaaaaaacct	aaaaaggatg	tgtcaagaga	catccaatga	tttcctacca
63361	ttttttagta	aaaagagggg	caatggtagt	cttaaagaaa	aaagtcactt	ccaacctcta
63421	atgctacata	gagggcacat	tcacacacac	tagctttcac	atggatgcct	gggcttcac
63481	agcccaactc	ggacaatgaa	cagacaaacc	acaaattaag	agaagtgtct	aaaagtggag
63541	ggtagtatgc	agaatgactc	accatcccag	tatgcccagg	gctgaggaga	ttccagaaat
63601	acagggtctt	cagttttaaa	actggaaaag	tcctaggcaa	actggaatga	gttggtcacc
63661	atagcagtat	gtgcagtggt	atggagaggg	caagtatcgc	cagttattta	cagaaaggct
63721	gtaagacaaa	tggtcctgga	taggagtcct	gaagttaaaa	ataaactctt	ctagaacct
63781	aaggtccaat	actaactaga	taccaaatgt	agaaggatag	atcaagactt	ccagagataa
63841	tagatatgtg	aaagaccaag	gtgcaccgag	accatcccca	tcctttatag	atacttcaaa
63901	ccaaaccatg	atatatcttt	atcattcttt	tcaaataaaa	atttttatata	tgccaacatt
63961	aagaactttt	tttttttaggt	tccttgatca	tccttttgga	tactcatttt	ttccagtgat
64021	ataccacat	gtgtgctttg	gtctgttagg	taaccaata	gtgaatgttt	gacaaatttc
64081	aagacagaac	tcaaagggaat	atttatgatca	agaatttcta	gtagctagta	actttcaaaa
64141	tgctatgaaa	gcttcaagac	atttttttaa	acatacagat	tatactgcaa	aaaaaatcaa
64201	aatttgtata	tttatgggtca	ataaaacttg	aataaatatt	agacaaagat	ttgaatttta
64261	aaataaaaagc	ctggctggat	cgggtagctc	atgcctgtaa	tcccagcact	ttgggaggcc
64321	aaggtgggag	gatcatgagg	tcaggagatc	gagaccatcc	tggctatggt	gaaacccggg
64381	ctctactaaa	aatacaaaaa	aattagccgg	gtgtggtggc	tggcacctgt	agtcccagct
64441	acttgggaag	ctgaggcagg	agaatggcgt	gaacccagga	ggcggagctt	gcagtgagcg
64501	gagatcacgc	cactgcattc	cggcctgggc	gacagagcaa	gattccgtct	caaaaaata
64561	aaaaataaaag	gctccatttt	cctagtatga	ggtgtaattt	ttaatataaa	atattgtggg
64621	ctactctata	accatgttat	agcaacaact	gatcaagaaa	attatgagaa	aaccttgaaa
64681	taaatacagt	gacattttaa	taaatttaca	ttctcacaa	ctcaaaagta	tccataact
64741	tcagaaaagtc	attaatacat	acatatgaac	catataattt	ttcdaatctg	tacaaaaaaa
64801	cactttactt	agaactgtct	gcaataactc	ccttcagtaa	atcccacagg	ccctcatcac
64861	ccctataact	ctctactctt	gcgtctcaac	aattgtccat	gannnnnnnn	nnnnnnnnnn
64921	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
64981	nnnnnnnnnn	nnnnnnnnnn	nncaaaaaaa	tatgcaaatg	ttcacaatag	cattattcat
65041	aagagcctaa	aagtggaaac	aacccaaatg	tccatcaact	gatatatgga	taaaataaact
65101	atgggtatatt	cgtacaatgg	aataatattc	agccacagaa	agaatgaagt	actgaaacat
65161	gctacaaagt	gaatgaacgt	tgaaaaatttc	aattaagtga	aaggagccca	tcacaaaagc
65221	catgtagtag	attagtcocat	ttatatataa	ttcccagaat	agaggaatca	ggaaaaaaga
65281	caaaaaagtag	attagtagcg	ttgggttaagt	ttgggttaagg	gttggggaat	gactgataat
65341	ggatataaagt	gtttctttta	ggaaaaatga	aaatttttta	aaatttagagt	tttgttatgg
65401	ttccacaatt	ctgtgaatat	actaaaaaat	attgagttgc	atgctttaaa	ttgggtgaatt
65461	ttatagtaga	tgaatatatat	gaaacttatc	cctttcttca	tgaatttaatt	atcttttgata
65521	gaaccatttt	tactgacata	ttgtatatat	tgaatatatg	tcagtataaaa	tgatcaaaaa
65581	tttttaatgaa	gaaactagta	ttcttcaagt	ggggagagga	aaaaacatga	ataagaaaaca
65641	gaaaagaagt	tgtagaaaag	aattgcaaaa	cttagccctaa	agaagaataa	gaatgagaat
65701	ccatagctga	ccctaataat	ttgggttgaa	aagttatttc	aggtcagata	tgaattctct
65761	actattttca	ggagataaat	ttagcttttt	taatcccttt	ttcaaaaaatt	ggttcttgcaa
65821	tttatcaata	ttgatctctt	ttggcagcct	ggagtgaaga	acatggaaaa	tcaggaaaagc
65881	ttgttaaatca	aataccaaaa	tgtactgcaa	gactgaaata	gttaaaacac	tatgggttttg
65941	gtcaaacatgg	tgatcaatga	aaataataga	aagaattggac	ccatgcattt	atgctattcc

FIGURE 1 (continued)

66001	aactcatgat	aaaaaattat	aagtaaatacg	gcccggcgcg	gtggctcaca	cctgtaatcc
66061	cagcactttg	ggaggcgagg	cgggcggatc	acgaggtcca	gcagattgag	accatcctgg
66121	ctaactctgt	gaaaccccat	ctctatttaa	aatacgaaaa	aaaaaaatgg	cccagacgcg
66181	tggtctacgc	ctgtaatccc	agcacttttg	gaggccgagg	cggtgcggat	tacgaggtca
66241	ggagatcgta	gccatcctga	ttaacacggt	gaaaccccg	ctctactaaa	aatacaaaaa
66301	gaaattagcc	gggcgtggtg	gcgggcgtct	gtagtcccag	ctactccgga	ggctgggacg
66361	ggagaatggc	gtgaacccgg	gaggcggagc	ttgcaatgag	ccgagatcgc	gccactgcac
66421	tccagcctgg	gcgacaaaag	aagactccgt	ctcaaaaaaa	ataaataaat	aaaaataaaa
66481	ataaatttaa	aaaataaata	attagcagag	catggtggcg	ggtggagcct	atagtcccag
66541	ctactccgaa	ggccgaggca	ggagaatggc	gtgaaccggg	aggcggagct	tgcagtgagc
66601	caagacagag	cgagactcca	tctcgaaaaa	aaaaaagaaa	aaaaattata	agtaaattaa
66661	tcaataaagg	ataaactatt	atataaagag	attaggacaa	ttggctcttc	attaaaagag
66721	aaagtatggt	tgatttctac	cttagagaaa	cacaaaagta	attctagctg	gcttagtaat
66781	aaaaatgttt	ttttaaaaaa	acttgttaaa	tttaaatattg	cctattttctg	catcactctg
66841	agaagtagct	ctgggaagaa	ggtaatcaga	agattttatga	agattttcctc	ctactccata
66901	ctttttcata	ggccctgaaa	cacacatttc	tagtgaagac	ttacatgaat	agatcaaggc
66961	ccttgggttc	attcaaaaaca	attaattcat	agaagatttc	aaaattttaga	agttaagata
67021	cataatatgc	tagagtgttt	cttacagaac	ttaatatata	tattaatata	tactaatctg
67081	taattttaa	aatactttag	acttttccaa	aaaaaatagt	ctttgcaagg	aatgtaactc
67141	tctcctgagc	ttttgcataa	gcgtcaatct	acatggcctt	tttaaaactt	ttatgttagg
67201	ttcaggggta	catgaggagg	tttgttatgt	aggtaaattg	catatcatga	gggttttagta
67261	tacaaattat	ttcatcagca	aggtaataag	cttagtaatc	aataagggaac	tttatatgat
67321	ttggctctgt	gtccccaccc	aaatctcacc	tctaattgta	atccccacca	gttaaggcag
67381	ggacctgggtg	gcaggtgatt	ggccctgggtg	gcagttttcc	ccatgctgtt	ctcatgatag
67441	ttgtaggggt	gtggccttat	tctggacata	ggaatggaca	aagattttat	gacgaagaca
67501	tcaaaagcaa	ttgctacaaa	agcaaaaatt	gacaaatggg	atttaattac	agtaaagagc
67561	ttcgacacag	caaaagaaac	tatcatcaga	gtgaatagac	aaccgacaga	atggggagac
67621	aatttttgcaa	tctattttatc	tgacaaagggt	ctaatatcca	gagtctataa	gaaacttaaa
67681	caaattttaca	agaaaaaaat	cattaaaaag	tgggcaaagg	acatgaacag	acacttccca
67741	aaagacattc	atgtggccag	caaacacata	aagaaaagct	caaaatcact	gatcattaga
67801	gaaacgcaaa	tcaaaaccac	aagataccat	ctcatgccaa	tcagaatggt	gattattaaa
67861	aagtcaagaa	actgcagata	ctggagagggt	tgaggataaa	aaggaaatgct	ttgacactgt
67921	tgggagtata	aattagttca	atcatgttag	aagacagtgt	ggtgattcct	caaagatcta
67981	gaggcagaag	taccatttga	cctagcaatc	tcattactgg	gtatataccc	aaaggaatgt
68041	gaattattct	attataaaaa	cacatttact	gtagcaatat	tcacaatagc	aaagacatga
68101	aatcaacctt	aatttccatc	aatggtagac	tggataaaga	aaatgtgggt	catatacatc
68161	atagaatgct	attcagccat	aaaaaagaat	aagatcactt	cctgtgcagc	aacatggatg
68221	gagctggagg	ccattttagca	aactatcgca	ctaacaaaaa	acaaaatcac	gtatgttctt
68281	acttataagt	gggaagttaa	tgatgagaac	acatggacat	aaagagggga	acaacagaca
68341	ctgaggtcta	tcagatgggt	gaggttggga	ggagagagag	gatcaggaaa	aataaactaat
68401	gggtactagg	cttaatatatt	aggtgatgaa	ataatctgta	caataaaacc	ccatgacaca
68461	cgttttacca	tataacatac	ctgcacgtgc	atccctgaac	ttaaaaataaa	agttaaataa
68521	atttcaaaaag	ttctgttttt	atcgatatat	aattcatata	ccataaaaatt	cactatttta
68581	aaactgtacaa	atctgtgaat	tttagtatat	ttacaatatt	gtgcaaacat	caccacacat
68641	aatttttaaaa	tgttttccacc	agccagttaa	ggaacttcat	accagtcagt	agtcaactaa
68701	ttatctctctc	accctgcccc	ctagcatgta	acaaaccacta	atcaaaatttc	tgtctctaca
68761	gatttgccta	ttctggacat	ttcatatgaa	tggaaataata	cattatggga	taatttgggt
68821	ctggcttttt	tcacgttagtg	taatactttc	aggttcaacc	atgttttaga	atgtgtctct
68881	atttcatctc	ttattctgga	tcacaacctat	tttatctcat	tgtaattgaat	acacattttg
68941	ttcattoatt	tatcagttta	tggacttttg	agttatcttt	accttttggg	tgctatgaaa
69001	acattttaact	tgacaatttg	atagaagttc	ttgtttgaa	ttatgttttc	aattctttgg
69061	atatatgcct	aagtgggatt	ttctgtgggtc	acatggtaaa	ttcatgttta	acattttgag
69121	gagctggcaa	actgtttttc	aaagcagctg	caccattttta	tgttttccact	agcaatatat
69181	gaggattcca	atttctccac	atcctcacta	gcactttttta	tttttcccttt	tttttttaaa
69241	agatattagt	gggtgtaaaag	tggttataaca	tgggttttgg	ttacatttttc	ctaattgatta
69301	gtggcaactga	ccatcataat	atgaccttaa	cgtatttttca	atattttatat	gatctgtaat
69361	gatattactt	ttttcatatg	tcaaaatagat	accttggtgt	ttttctccac	tttgccatta
69421	tgagtcttgc	tagagtgtta	tcacattttta	aactcttttca	aagaacacac	tttagctttt

FIGURE 1 (continued)

69481	ctcaatttttc	agctacgtat	attatacata	tttgccttaa	ctttcattat	ttactgcatt
69541	atcttatttc	ctttagttca	gtttactgat	tttatagctt	cttgaaatgt	aaacctaggg
69601	catttatttt	taaattttcc	tatattctaa	tacaggcatc	atagctataa	ttttccccc
69661	aagcactgat	tcaactacat	cttctgcccc	aactgatata	ttgtattagc	attcagtcac
69721	aaataatttt	tatttccatt	ttgatttttg	ttttgaccca	tgggttatct	ggaagttcac
69781	tgcttaattct	aaatgtttag	ctattatcta	gtatttttct	gttgtttatt	tctagtacat
69841	tttactgtta	gtcagaaaac	atactgtata	tgattttaa	atttggagac	ttattaagac
69901	ttaaaagttcc	aagtataaat	aggtctgcaa	aagatctaga	aagagtgcac	cctttccatt
69961	tcaagggttg	gacttttcta	tttttggtgt	tggttggtgt	gttgtgtgtc	ttactgcctt
70021	ttgtagcagg	acaagcctca	gacaaaactc	ctcagacacc	gagttaaaga	aggaagggtc
70081	ttattcggcc	gggagcttcg	gcaagactca	catctccaac	aactgagctc	cccaggtgag
70141	caattcttgt	cccttttaag	ggctcacaac	tctaaggggg	tctgcgtgag	agggttgtga
70201	tcgattgtgc	aagcaggttg	tacatgactg	ggggctgcac	tcaccggtaa	ttagaacaga
70261	actgaacagg	acagggattt	tcacagtgtc	ttctatatac	atgtctgtaa	tctatagata
70321	acataaccac	ttaggtcagg	gggtcaatctt	taactaccag	gcccagggtg	tggcaccagg
70381	ctgtctgctt	gtggatttca	tttctgcctt	ttagttttta	ctccttcttt	ctttggaggc
70441	agaaattggg	cataagacaa	tatgaggggt	ggactcctcc	cttactttta	tatatatatt
70501	ttaatgaaaa	atattgctta	aaagtataac	cttaaagaaa	actgttcatg	aactctatgt
70561	atgaatatgt	atattaccat	tatataacag	gtataatgtt	tatatcactt	gggaaaaatg
70621	aagttattga	aaagatgaat	gcagggttatg	ctcattcagc	aatgtgataa	gcacatttga
70681	cttttggaac	gtaagtggaa	atttttccaa	catgatgtag	cactgcttca	gattctgtct
70741	ctgagcttct	tagagttaaa	cactgacagt	gaattgggaat	acggatttct	tattgtactt
70801	tgaaattcca	ttatttttaa	attccatttt	taaatgggaat	tttagccatt	taaattccat
70861	tatagccatc	tcttccactc	cagaatgcac	cttcaggccc	tctgacttgt	ccgtcttgtc
70921	agcagttatt	ctacttggtg	ataaacacac	acaacttcaa	ataacacaga	gcaataaagg
70981	ggtaacaagta	aaagacaaag	tcatccacac	tcaactgggtt	ttatgtctct	gaacaagtta
71041	accaacactc	taaccttcag	attcctcatt	tggatgacaa	aaatttacat	tgcaaaagac
71101	tcaagtcttc	aaaggaatac	cttaagttaa	gtatgaaata	gattgtcttt	cacttgagta
71161	gtacttacaa	aacctaaatt	attttctttc	tatccattct	gatatgttta	tatgttaaac
71221	tgagttttat	tgtagctaaa	gtgtacccaa	atggggcaag	caatattttg	aactaatttg
71281	cacattccag	attaggttag	gtcctgctgc	aataacaaat	gacacaaaaa	tctcaaaggc
71341	ttgagataat	aaaggttatt	tttctctctc	actacatggg	cagcacagat	tggcaagggg
71401	gatttttgctt	aatgtatttg	ctcaaatcta	agctgatgga	tatatgcttc	taaattttata
71461	ctggccatag	aaaagaaatg	tgttgaattca	tacgggggtt	ttaaatttct	tctcggaat
71521	gacacacatc	acttgccctt	acatttttatt	gctaaagtta	gtcacatggc	cacatctaatt
71581	atcaaagggt	agagacagag	aagtgcactt	ctataatgtg	tccaaaggag	aaggagatta
71641	taggagtata	aaatgtcata	atcacttttg	aaagctgttt	gacaattgca	taaaaagttg
71701	aatacacatc	taccttttga	cactgtcgtt	acgttccaag	agaattgaaa	atataatatcc
71761	acaaaagtgc	tgttaaagaa	tgttcaacta	gattttattca	taattggcaa	aatcagccta
71821	catatccatc	aacaggaaaa	tagataaaca	tgtctaccata	tattttataag	atgaaaaacta
71881	ctcacaataa	aaaggaacaa	actactttta	tatccaacaa	tgtggaggac	tatcaaaaata
71941	ttttgtctgga	tgaaagaaat	catgaaacaa	acattctgta	taatccattt	atatgcagggt
72001	ttagaattggg	caaaaactaac	actttacacta	atacaaatag	ttctagcatc	aagggtgggt
72061	taaaattggcc	aggaaggagc	ttgattgata	aaattcctct	gtgtcttgag	tgaatgtata
72121	tatatgtata	tatttgtcaa	aaacttactga	accattcagt	caatatttga	gcattttact
72181	ctatagcagt	atcttgatct	tttaaatgaa	aaataaacttg	gaggacattt	cagtcataata
72241	attttttatag	cactgtattt	gaactaacact	attcatttaac	catctcagta	catttcagggt
72301	tttttttaaat	ttttaagagg	aatttttaatt	ttttaaaaaa	tttttggtgtg	tacatgtgtgt
72361	atataatttat	agaattctgca	aaatgtgcta	aaaaaggaaatg	agatctagtc	atttgcacaa
72421	atatgggatgg	aaactggagat	cattatgttta	agtgaatga	ggcaggcaca	ggaagttaaaa
72481	catcgcacga	cattccatatt	tttaagggtaa	tgtttttaact	tactcaagaa	gcatttggaa
72541	acaagtatac	tgtaacacaa	tgaatatttat	caaaaaatata	aatgttactt	tgatgccatt
72601	ccaagacagt	cacatttttta	tatgccatgt	cttaaaagtca	atgagtttta	agaactttgga
72661	taagtttgtgt	gaaatttttaa	aaataagaaa	atttatattga	aaaaagagca	gtgaatcacc
72721	tagatcctga	catctgggtg	gcattttccat	cctgaatttc	accagttaca	tagctatttta
72781	actatttacc	agratcactt	aagacaaagc	ttgagcttga	gaggacagggt	ctcggttctt
72841	atctgggatac	acpatctaac	taactgttga	acaaaaatata	aaattacctt	cagccgtttt
72901	ctcacttgct	aaacaataat	aacagcatct	agaatagtgc	ctggcacatg	atatgaaggt

FIGURE 1 (continued)

72961	aataaatgtc	agtttcattc	ttgcacatgg	agaacgggtga	ataaatgtgt	tttattcctc
73021	ctccttcttc	tcctcccttt	cttcttcttc	cctctattcc	ttatctcttc	tatctccctc
73081	ccttccctat	ctcactctat	ctcctcttcc	tgtctcctct	gtctcctcct	ttccctcctc
73141	ctctctctcc	tcctccctct	ctctctctct	acctctgttc	cttcacctct	tcctttctct
73201	ccccgcctcc	ttatattttc	tttccctctc	ctcctccctc	tcctcatctc	ttttctccat
73261	ctctctcctt	ctctttcttc	cctctcctcc	tttctcttct	ctctctcctt	cttcaccccc
73321	tcctttctgc	tcctccttca	cttctctttt	cctccctcac	ctcctctctc	tttgcttctt
73381	cctctctctc	tccatcttct	ccttttcttc	ttcctcctcc	tcctctgcct	cttccctcct
73441	tgttcttctc	cctcttatct	tgtttccctt	tgtcttcttc	ttgtttctgc	tcctgggtccc
73501	tcttttctta	tttttctggc	cctttttaaa	tacataccca	tgacaagtag	tagggagcct
73561	tattcataag	actttgcaga	ctgtcttttc	tgattgtctt	taaatctggt	acctatgggtg
73621	tttagtatta	aaaatagcaa	aaaaaagtaa	aaataatgaa	aaatatattt	ctgttacata
73681	aatcaattct	aaataaattt	taatcattta	aatttaaacc	cagaaggctt	attcagatag
73741	agtttgaata	ttttctataa	atatgcaaga	atctcagata	ttaacttctt	gactgaggaa
73801	gaaacaagaa	tctctggaca	gctgcaaaca	ctaccatggg	gaaaatctat	cagctccgac
73861	atattgaatc	taatctgaca	tacgcacttg	ctcttttttt	catagcaaat	gagaaagtca
73921	ggttcttgag	taaatttcca	ttacaactat	cttctatttt	cagtattctt	tcaggetggt
73981	tcctctgaag	aaaattacaa	ctgggatcta	agccattcta	tgtatttttt	catgcacctc
74041	cgtttgggat	ttttctgatg	ttggctcatg	aggagagcaa	ggttagacat	ctagggggagc
74101	aatttcacaa	aaagatactg	agagacagga	ctagctggat	ttcctaggcc	gactaagaat
74161	ccctaagcct	agctgggaag	gtgaccgcct	ccacctttta	acacggggct	tgcaacttag
74221	ctcacaccca	accaatcaga	gagctcacta	aaatgttaat	taggcaaaaa	caggaggtaa
74281	agaaatagcc	aatcatctat	tgcttgagag	cacagcagga	gggacaagga	ttgggatata
74341	aacccaggca	ttcgagccgg	caatggcaac	cccccttggg	ccccctcccc	ttgtatggga
74401	gctctgtttt	cactctatta	aatcttgcaa	ctgcactctt	ctgggtccatg	tttggttacgg
74461	ctggagctga	gctttctctc	gccctccacc	actgctgttt	tgcgcccggtg	gcagactcgc
74521	cactgacttc	cattcttccg	catccggcag	gggtgccccct	gtgctcctga	tctagcaagg
74581	cacccactgc	cattccggat	cgggctaaat	taggctcggc	attgttccctg	catggctaag
74641	tgccctgggt	cgctcctaac	gagctgaaca	ctagtcactg	ggttccacgg	ttctcttccg
74701	tgacccacgg	cttctaatag	agctataaca	ctcaccccat	ggcccaagat	tccattcctt
74761	ggaatccgtg	aggccaagaa	ccccagggtc	gagaacacga	ggcttgtcac	catcttgga
74821	gcagtcaccc	gccatcttgg	aagctgtgtg	agaaaggacc	cccggtaatg	atgctatggt
74881	ctcataattc	tattaagaca	cccatgactt	tgaattttcc	cattatttga	gttcttaact
74941	ttgatcattt	gattcaagag	ggtaacctgc	aggaagtgtt	actcagtggg	tgttcttttg
75001	tccattatca	ataagtattt	tgtgaggaaa	tacttagaga	cgtgtaaata	ttttgttccct
75061	ctttaaatct	gcacccactt	ttagcatccc	ctgatatttc	ttggctgaat	ttattattgt
75121	tacaattgct	atccaattgt	gattttcctg	cttctattat	tcttccacat	ttgttgacat
75181	tatatgaagg	aacactatct	cttctttgtt	tctttcttta	tgtatgtata	gacagatgga
75241	ttattttatt	tcattgatta	aaatttatta	ttatgaatcg	ttcatgaaat	tgtcccaaat
75301	ttgggtcagtg	ggaatctctt	caagctggct	tttgtgtcct	tttgacattg	agaggagggtg
75361	ccagtgggct	tcctgggtct	agtgggggct	cagaaagctg	tgaaactcac	tcatttctctg
75421	catcaggact	taacttttgt	cctgaattgag	taatattgaa	gataagtgtc	taaaatattc
75481	ctaacatcag	aattttgtgca	tgtgttttct	ttcgcaagaa	agctataaac	agggaaaatt
75541	ttgttgcaag	cttccctgtg	tcctctctcc	ctctctccct	ttccctcctc	ctgaaactaa
75601	aaggactgct	aaaagcccat	ttttctgtga	ccagcagaac	gtatctacgc	tcccaattcc
75661	aattctttgt	aaacacaatt	tgtaaaatcc	tgtgagatcc	tgtctccttt	gocatgcgcg
75721	tgcaaggtoa	taaagtagat	aaaacttgag	ttacaattcc	ggttttctct	aagatctgag
75781	acgtgttaat	tgtcttttgt	tctcgtctctg	gtagcatctt	ctaacgcgac	gtattttctg
75841	ctttaaataa	aagggtgatg	aaaaatctaa	cactgggttac	ctgctcagga	ccccctccac
75901	tctgtggaag	ctttgtactg	tcactccgct	caataaagcc	tacagctgtt	ttctctctgg
75961	tcogactctg	gtctctctct	caccgcgggc	tgccgcacaa	ccaaatcttt	ggcgtgggta
76021	aggcgagaa	ctttggcatt	acaacatgac	cctatcattc	tttgatatct	ccatactttc
76081	tgatgcaaaa	taatgggtcca	agctgctttc	ccttctccag	ttctggaagc	agccatttat
76141	ttccctcaagg	agccctagtt	cctttaacga	agaatgttgg	agagaaacca	gcattctgcat
76201	gttaggcatg	ctcattatta	tttaagaatt	gttattctca	gacagtgttg	gggaatatgt
76261	attgtaaaatg	tacacacatt	tttaaccaca	tttccacatt	gaaaactgoc	agtttagata
76321	caactcaaat	ccaataccac	aggttttttt	gtttctgttt	tttttttttt	tttttttttt
76381	tgagatggag	tcttgctctt	ctgcccaggc	tggagtgcag	tgggtgaatc	tctgctcaat

FIGURE 1 (continued)

76441	gcaaaactccg	cctcctggat	tcaagcaatt	cttctgcctc	agtctcccga	gtagctggaa
76501	ttacaggcgc	ccaccactat	gccccggctaa	tttttgtaat	tttagtagag	acagggtttc
76561	atcatgttgg	ccatgatgaa	agtccctgacg	tcagggtgatc	tgccggcctt	ggccccccaa
76621	agtgtctggga	ttacaggcgt	gagccaccac	gcttggcctc	aagtttcata	taatactttc
76681	cctttccata	gttgtaagtt	ccaccactga	gagtgagaat	tacagctgac	attatcctaa
76741	attaattttt	tgtttcaatc	ctcccaaattg	ctatgaatct	accattgtca	ccactgtccc
76801	tcttccccaa	tgccccctct	ctgacatgcc	gaaccattgc	aaacaccact	gccctcctct
76861	cttagtgctc	ttctcaccct	gctctgtctc	cagctccctg	caccaggctg	aggccaccag
76921	caccacagct	gcaccctcct	cacactgctc	cacaccctgc	tctgataatt	ataactctct
76981	cattcaaaaa	taaaaaaaag	ccaagggatt	gcaaactact	tatattagct	caggctcctc
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77161	caagtctaac	tccaagtgga	aaaaagaaga	tgagagaggt	tgtgtggaag	gaaagtttgg
77221	gaaagagttc	aggggtcctc	aagccaaaac	aggctaccag	aagtgtctta	tgactcccac
77281	aaatctttct	acttcagtat	ccatccctgc	catgctcagt	cattggatga	acagctcgtg
77341	ggaagcatgg	ggtgactgca	aaagagtacg	aagcagccga	ggcctcttag	caattacact
77401	ccctgtagtt	ggaggagcgt	catctacatt	cctgtggctg	tccaaaacta	atattatttt
77461	tccctgatta	caggtgttta	gtatcataac	tcagaataaa	gtcagcacca	cattaaaata
77521	aaccttctta	tgtaaataac	acttaagagt	ataacaaata	agaaatgact	tgccaaacca
77581	ctggcccttt	attttttatc	acaactcaga	aacaaagaca	gcaccatatt	aagttaaacc
77641	cttttcccat	aaagaagatt	tttatttatc	aaattgctag	actgccagtc	tggtgttaca
77701	agatgctgct	gaacatggta	aatgagcata	gataattttt	tttttttagc	aagtgtatct
77761	cttattttgtg	gcccatagct	tttgagaaaa	ttgatttttt	atthagcatg	tttatgtttc
77821	tttatgatgt	atccaacttt	ctcaaataaa	caggtatacc	aaacaggcag	attgttcaca
77881	ttttgggaaa	tgctagataa	aagtgtggaa	gtcatggcaa	tagagagact	ttttacttta
77941	cagagcttta	ttgagttagt	gtagacctaa	ctcctgccct	tagagctaca	attgagcatt
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78061	ggaggacata	tgtttaagct	tcataaaactc	agcttaaat	tggtgtaatg	ctgaaaagcc
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78181	agatataaaa	ctagacacct	tcagcaaaaca	gataaatata	tgacaaaata	agacacttgt
78241	aatggttttc	tgaggaagtt	ttgaaatcta	attttcacaa	atatctctga	aatttagggt
78301	agatctaaaag	aagtgggaga	aatacacagg	aggaaagaat	tagagaagaa	acaaaacatg
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78601	aatgaaaaaa	tcataactaat	aatttacact	gattatatgt	taaaatgata	atattttggg
78661	tataattggg	ttaaataaaa	tatataatga	atactaattt	aacctacttc	tttgtgtctc
78721	cctaattgtg	atactagata	atttgaaata	acataaatat	aaatttcatc	atatttccac
78781	tgggaaaaaat	tgtgacaaga	actaatgcag	tagatatcca	tgattttggg	taaatacatc
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78901	aacgtggcca	ccaggaggag	aagtgtcact	tccctataaa	agggccttta	aagccaatgt
78961	gctatttagt	cctagctgct	gttaccacag	gaacagatgt	tgcaaagagg	cctccatctt
79021	cctggctgcc	aaatgactaa	gattagagcc	tttccacctg	gattatgggt	atgtagtctg
79081	aggcagatat	aaatttgaat	gaaagtctct	ccaaaaatgt	ccaaaagaaa	ataatcagcc
79141	acatacaagc	aaaaagtaat	tattttaaaa	taattgtata	ccttgtgcca	agatcatggt
79201	ctccacacac	atgctccaat	ttctctttga	agaaatgact	gattctaggg	ctgggtgagg
79261	atgcagatca	tcttgtagta	tcagaaaagta	agaaaaactg	cagaaaaaaa	aaacaatggt
79321	atatgtcaaaa	aagacnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
79381	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
79441	ggtttttata	cctagatttg	aaaatactga	gattctgagt	tataagaaat	aagactaaaa
79501	tcagtaaaaa	gtaaacatat	gaaattatgt	ttgttactct	tagcccttca	gttggaatca
79561	tcccttcagc	tttgagtagt	cctgcatctc	atcaaatctg	atttctacct	agaaaagtta
79621	gtttcagttt	atgcctctgg	gaaccaattg	gatgatgaaa	atggctccac	tcaaaggcat
79681	taattagtat	aaacacatat	agagtgtgga	ggccatgaat	ggaaattatg	ttacaggcct
79741	agattatata	atacttttga	atccacagcc	gttatccact	tgatgttagc	ccaaaaggctg
79801	agaagcaatt	ccacagccat	cctcatgtac	caaaattcaaa	tttcaatcta	ataacctttg
79861	aaagggtgacc	caccatcttt	ccttcttcat	ccaaattatct	tcttccctctg	actatctctt

FIGURE 1 (continued)

79921	tttctcaaat	gttgggtcttt	tttcatattt	ctccatgtcc	tggaaagaaa	tctgaagacg
79981	ggaggtactc	aaggaaatag	ggtgcccaata	gctgagtggg	atgggatggg	atgtgaaacc
80041	taccocctacc	tcctaatagt	ttgcagggcc	agttcattga	tggcattaac	tccgctgtgt
80101	actcacacag	ctgcagagtc	attggaatga	tacgtaggct	ctattgtctgc	acatattcaa
80161	ttagaacctt	ttattaatgg	accaagaatg	gacaagaaaa	tggggaaatt	actgtgcaaa
80221	ttttttaatc	cacctgtcc	tccttccctt	tccttttcc	gattagtctc	agaaattgtt
80281	tcattcttta	catttccctt	ctcttttaaaa	tcaatatccc	ttactttgtg	tttgattcta
80341	cattttatttt	cctttacaat	atcatgcata	aatacacaca	cacactttta	agttgcaact
80401	aatacttttt	ccagtgaag	gcttctttgt	tttactatat	actaacctct	gcataaaatt
80461	tctttaaaaa	tgttggttga	tgcagagttc	tagatgtcat	aagattatta	aatatatata
80521	ctttcttaagg	tgagcattca	gtgttggtact	aaaattttaca	aaaatcatat	aagtgtctact
80581	tgttcttagg	taagagtttt	taaatttaaaa	tcaccttgtc	aaatagagct	ctctgcagat
80641	atgttaacaa	tgtccattta	gaaaattaca	tgggatttca	attatcatta	tcattataaa
80701	gttccaaatg	aaaagttaga	tcttttttaa	agcaagtaac	tagaaagaaa	aacaaaactg
80761	ctgacctttt	atctaaccat	cactctttct	gataaggttg	aagtggttca	tcagaagttc
80821	agacccaagc	cattcttctt	ggttgtaaat	aagcagaata	tattccctat	agatattact
80881	cagacctaaa	ctatggtcta	aagattgtat	gtcagttagt	tctgcatttg	actttacagt
80941	taccgcctcc	tttgccatac	ataaatgttt	cagtcatcaa	ttattttcca	aatgtgtcac
81001	atattttatgc	tattggattg	tatatgatgg	aacatacaga	gaattgtaag	atataatttc
81061	catccttcat	gagattataa	atcattttatt	acactactat	cttatttcaa	aaacaaaaac
81121	ttcgcatcac	aaatgttaag	gcattgcaggt	agattttaaat	agtaaattct	ataatgatgt
81181	ttatcattgg	tgtctttaac	aattcccatc	cacctacatc	caccacagaag	catcacatta
81241	aacaaaagat	actgagtaaa	tattcaacat	tgtgcacag	ctatcctagt	ttttgatgca
81301	ctccactttt	aacctaaaag	tggtaatgag	aagcaagtct	gctggagtgt	gcctgggtct
81361	gtctcttttag	gaagttttgt	gagctcaaac	ccattattat	tattattatt	attattataa
81421	tttttttttt	tttttttttt	tttttttttt	tgagacggag	tctcgctctg	tcacccaggg
81481	tggagtgcag	tgggtgatct	ctgctcactg	caagctccgc	ctcctgggtt	cacgccaatg
81541	tcctgctca	gcctcccag	tagctgggac	tacaggcgcc	caccaccaca	cccggctaatt
81601	tttttgattt	tttagtagag	acgggggttc	attgtgttag	ccaggatggt	ctcgatctcc
81661	tgacctcatg	atccacccgc	ctcagcctcc	caaagtgtct	ggattacagg	catgagccac
81721	tatgccccac	cagacattat	ttaaacttaa	actcactctg	aagcacattt	tgtcatatag
81781	aaaattatgt	taacaataga	atztatgcta	ttgttgtgaa	gttttaaaata	aaccaataac
81841	aatattttaga	ttatagtgtt	tggcatatag	taagcatcta	gtaaacatta	gctattattg
81901	ttactgaccc	agtcgttaac	tggttcttta	gactcaggaa	caacctgtgag	atgagataga
81961	tcattgtcct	atggccagaa	tgtgccttag	caatgtgcct	tagcacagca	acaaaacaaa
82021	atttatcaact	atgttctagt	aaatggagat	atataagttc	agaggaagga	caaatattct
82081	tttcaatcta	ggaaattctg	atgtcttcac	aacactacag	aatttggtaa	ttttccaaaa
82141	aaacacataa	ttatatttaa	atttatattta	taataacttg	ttcaattatt	caaaatagac
82201	ttccttcaga	tacaggttaa	aatgacagtg	tgtatataat	gtccatgatt	ccttttatag
82261	aaacaattct	gacatatgaa	ccactttgat	atcttacaat	ttgggtgaaa	tttaggtttg
82321	tcttgttctt	aatgtttaata	actcgcttta	agactgggca	gggtggctca	ggcctataat
82381	tccagcaact	tgggaggccg	aggcagggtg	atcacgaggt	caggagttcg	agaccagcct
82441	gaccaacatg	gtgaaaccct	gtctctacta	aaaatacaaa	aatttagccag	gtatgtgtgg
82501	gtggtcctgt	aatcccagct	actcaagagg	ctgaggccagg	agaatctctt	gaacctggga
82561	agcagaggtt	gcaatgagct	tagattgtgc	cattgcactc	cagcctgggg	aaaaataaaa
82621	ataaataaat	aagtaactcg	ctttaaacat	aacatttagt	taactcttta	agagctttat
82681	gatggcattt	ggctttaaga	gcttcatgat	ggcatttggg	taaggcccat	ctcaattttt
82741	gatccaaaag	gaggtgtcac	agaagatgag	aaattgtgaa	tttaggaatt	cttatctttt
82801	taagcagagg	tatcatcaga	aaatcatgca	taaaaaatat	agagtaactag	cttatctttt
82861	ataaatttaa	gctcatccaa	catccaacat	aaagaaaaag	tgtaacagaca	agaaatgtag
82921	cttctcaaat	gagacagcag	tgggttggct	tcaagtgaac	aggataaatt	acatcagttt
82981	acaaattaac	tatcagtatg	acaaacatga	agccagtcag	tatgtgacat	gggatattat
83041	taaaataact	tcattcttga	atataatttag	ttaaatttgt	tcaattcaat	aaatttttaa
83101	ttaatcagtc	ctatacgttc	ttttgaaaaa	aaaaatctgga	aggattttcc	taaaagctaa
83161	cattgcccct	ctatggatta	aaagccatca	tatgggtatt	ccaatgttta	taaaagacat
83221	aggaaaaatta	tacttctgtg	gcataaggtt	taaaagatgt	aactagctct	cagaattctg
83281	aatagcaact	acaaactgtc	ccagtatccc	taatatgacc	atatcatatt	tgattttctc
83341	cttctataga	ccagttctgc	ccgtgaagaca	gttccacacg	taagactaac	ccttgggtctt

FIGURE 1 (continued)



83401	gtgaggcaca	atcattacag	aaaaatgagc	aacatcatga	tgtgtctgta	gttatttcat
83461	cgagtctggc	cgatacttaa	catttcaagg	tacttactgg	gcattgtgta	ttatctaa
83521	taaaaaattt	caaagcctgg	tagatatctg	ggagttatgt	tgaagtttaa	aataaaggaa
83581	attttccatt	cattaagaga	agaataaaa	tggttctcag	ttttatgggt	gaggctgcca
83641	gatagaaata	agccccaat	tctgcaagga	atccagctgg	agccccggaa	agagcttgtg
83701	ttaagtata	gccagcagt	tggacagagt	aggaataact	ggtgagctg	aagattctac
83761	ttgtccagct	agattaagca	gaaagaaaat	ggaaaggagt	tgggaaatta	attttttaag
83821	ctatttgaga	atttctactgt	actttttgaa	atgaccatat	taagaaaatg	tgttttggca
83881	aacgtggtga	aaaataagta	atccaatage	agtcattttc	atacaatgtg	tataaaaaga
83941	atatccctta	atcattataa	aataaattgc	aattaagtct	ggggtaaagt	gttttaacct
84001	ctctgagctt	cagtttctct	atctgaaaaa	cagtattatt	attactattt	tgcaagtttg
84061	agcatatgga	tgagaactaa	cacaggcaaa	gtccctcact	tagcatatct	tgaagaagag
84121	tggtagctct	acaaaggggt	gatgactgaa	aaacaaggca	taattttcag	tttagatttt
84181	agagtctgac	atgccctttc	acatacatta	cttaattttc	tttttaaaaa	tatagtacca
84241	ttattggggg	tcttcttcat	atggcatccc	tggagtcac	aaagtaaaaa	tgaagaaat
84301	caatctagct	tggaaaatct	taaggaaact	aataattgta	ggaaacaaat	taaacatctc
84361	gagaccaact	tccaagagca	gaagctttca	ccaagatttt	ctgataaaaa	tccacatcca
84421	caactgaaga	taatttctact	tgtctcccac	tttagctcct	tctactcacc	attttagaaa
84481	tctgcactta	aaaatgggtg	agatagacat	ttataagaga	agctggagaa	gtgattctaa
84541	gaacttcatt	acaggtcaaa	gtgtttgttc	ttagggatgt	tttccagaaa	tcttaatctt
84601	tctctgtggt	attcttagta	tgtttgata	tgcaactcca	gactttcttt	gggcttacca
84661	ggtttcaatc	accttgaccc	caaatatata	gtttatgtca	tatctatcct	cttcaagata
84721	cagcacgttt	aggccattcc	aacaccagct	tcaagtgaag	atggggaaag	tacttcaatr
84781	atttaattat	gttccaatca	cagaaaggag	acaagcaagt	cttctggggc	agaagtgaat
84841	gcagcatgtt	acctgcagca	tttaccatag	ataaattaaa	aatgttatgg	gtaggattaa
84901	ctttcttaat	ggacactatc	caagaaaata	gaatgtaagc	caaactatga	ggtggtttga
84961	tataatgaaa	gttgatttaa	tgaatcataa	ggcaccgttc	taagtccttc	acatgaatta
85021	acacatttat	ttttgttttg	ttttgttttg	ttcaactgtt	aagttccagg	gtacatgtgt
85081	aagatgtgca	ggtttgttac	ataagcaaat	gtgtgccatg	gtggtttgct	gcacagatca
85141	acccatcacc	taagtattaa	ggccagcatc	cattagctat	tcttctgat	gctctccctt
85201	cccaggggcc	ctgacaggca	ccagtgtgtg	ttgtctccgt	caatgtgtcc	atgtctcttc
85261	atcattcagc	ttccactaat	aactgagaac	atgcggtgtt	tggttttctg	ctctgcatt
85321	tgtttactga	ggataatggc	ttccagctca	atccacgtcc	ctgcaaagga	cataatcttg
85381	ttttttgttt	ttttgttttt	atggctgcat	aatattcatg	gtataaatgt	accacatttt
85441	ctttatccaa	tctatcatta	atggccattt	gagttgattc	catgtctctg	ctattctgaa
85501	tagtgcttca	gtgaacatac	atgtacatgt	atcttcataa	tggaaatgatt	catattctct
85561	tgggtatata	cccagtaatg	agactgctgg	gtcaaatgat	aattctgctt	ctaggtctct
85621	gaggaatcgc	cacactgtct	tccacaatgc	gtgaactagt	ttacacttcc	aacatggctt
85681	tcttgacttc	ttaacaatca	ccattatgac	tgatggatgc	tcattgtggt	tttgatttgc
85741	acttatctaa	tgatcagtga	tattgagctt	tttttcatat	gtttatggcc	acatgaatgt
85801	cttctcttga	gaagtgtctg	ctcatgctt	ttacccactt	tttaattggg	ttgattgtct
85861	tattcttcta	aatttgttta	agtcctctgt	agactctgga	tattaaatct	ttgtcagatg
85921	gatagattgc	aaaagttttc	ccccattctg	taggttgtct	gttcacctg	atgacagttt
85981	cttttgcgtg	gcagaagccc	tttagttatt	agatcttgtt	tgtcaatttt	tgtctatatt
86041	gggatttatt	ctgggtgttt	cttcattgaa	tcttgcctg	tgtctatgtt	ttgaatgggt
86101	tgtcttagat	tctctcttag	ggtttttaca	gttttgggtt	ttacatttaa	gtcttgatct
86161	atcttgagtt	catcttttga	taagggtgtaa	gaagggtgca	attttcagtt	ttctgcatct
86221	gaatagccag	ttttcccgag	accatttatt	aaatagggaa	ttttttctcc	atttctgttt
86281	tttgttaggt	ttgtgggaag	acagatgggt	gcagggtgtg	agttctcatt	ttgagtctct
86341	tattctgttc	catctgtgca	tgtgttgggt	ttggtaacct	tacatgtgtg	tttttggtaa
86401	tgtagctttg	tagtatagtt	ggaagttagg	tagcacgatg	cttccagctt	tgtctctctt
86461	gctcaggatt	atcttgacta	tacaggctct	cttttgggtc	catatcaatt	ttaaaaatag
86521	ctttcttaatt	tctatggaga	atctccatgg	tagtttatta	ggaataacat	tgaattctata
86581	aatttaattg	gacaatatgg	ccattttcat	gatattgatt	ctaaccatga	gttttggaaa
86641	ttttcccat	tgtttgagtc	ctcttttaatt	ttgggggcag	tgtttttagt	ttctctctga
86701	agatgtctct	cacttctcac	ataatctgta	ttcctaggaa	ttttatttta	ttcttagaca
86761	ttgttagtaa	gagtttattc	atgatttggc	tctctgcttg	cttattgttg	gtatctatga
86821	atgttagtga	tttttgcaca	ctgatttttg	catctctcaga	ctttgttgaa	gttgctctct

FIGURE 1 (continued)

86881	agcttaagaa	gctttggtgc	tgagaagatg	gggttttcta	gatataagat	catgccatct
86941	gcaaatacag	ataatttgac	tccctctctt	cctatttgaa	tacgctttct	ttctttctct
87001	tccctgattg	ctctggccag	aacttccaat	attatgttga	ataagagtgg	tgagagagga
87061	catctttgtc	ttctgccagt	tttcaagggg	aatgcttcca	gattttcccc	attcagtatg
87121	atattggctg	tgggtctgtc	atatatggcc	cttattattt	taaggatatg	tccttcaata
87181	cctagtttat	tgagagtttt	taacacgaag	gaatgttgag	ttttattgaa	tgcttttctt
87241	gtgtatactg	agatgatcat	gtattttttg	tctttagctc	tgttaatgtg	atgaatttca
87301	tttattgatt	tgtgtgtgct	gagctaacct	tgcatcccgg	gatgaagcca	acttgaccat
87361	agtgaataag	ctttttgatg	tgctgctgga	cttggtttgc	cagtatttta	ttgaagattt
87421	ttgcatcaat	attcatcagg	gatattggcc	tgaagttttc	tttctttggt	gttgtatctc
87481	tgccggtatc	aggatgatgc	tggcctcata	gaatgagtta	aggaggaatc	cctccttttt
87541	atttgtttgg	aatagtttta	gtggaaatgg	tactacctct	tcttcctacc	tctggtagat
87601	ttgagctgta	aatttgtatg	gtcttgagct	ttttttggtt	ggtagcctat	ttactactgc
87661	ctcaatttca	gaactcatta	ttggtctatt	cagggattca	atttcttctt	ggttcaacct
87721	tgggaggggtg	tatgtgtcca	ggaatttate	gatttcttct	agattttcta	gtttttgggc
87781	atagagttag	ttatagtatt	ctctgatggt	tgtatttctc	tgggtgcagt	agtgatgtcc
87841	cccttatcat	ttctgattat	gtctatttga	ttcttctctc	tttcttctct	tgtctagcta
87901	gttgtctctt	ttattaattt	ttttccataa	aacagccctt	agagtcattc	atcttttgaa
87961	cagtttttta	tatctctctc	tccttcagtt	ccactcta	cttggttatt	tcttgtcttc
88021	tactagcctt	gtggtttggt	tgctcttggt	tctctagttc	ttttagttag	gatgttatgt
88081	tgttgatttg	agatctttct	agcttttgat	gtgagcattt	aatgctgtaa	atttctctct
88141	taacactgct	ttagctgtgt	cccagagatt	ctggcacatt	gtctctttgt	ctcttagttt
88201	caaagaactt	ccttatttct	gccttaattt	cattattttac	ctagaattca	ttcaagcaca
88261	ggttgttttc	atgtagttag	gtggttttga	gtgagtttct	taatcttgag	ttctaatttg
88321	tgttgttctg	cattttgcat	ttgctgagga	gtattttgct	acaaattatg	tgaccaattt
88381	tagagtaagt	gccatgtact	gatgagaaga	atgtatatct	tgttgttttt	tggtgtctgc
88441	tttatccaga	cctgagttca	gatcctgaat	atctttatta	attttatgtc	tcaataatct
88501	atcttatatt	gtcagtgggg	cgaatcagt	acatttaate	gttacagcaa	acctatgaaa
88561	tataaatgta	gtattatccg	tattttacaa	gttagaaagc	tgaaacccac	agaggacagg
88621	ttccttagtc	aagattacac	atttcataag	agactgaacc	atattaaaac	caaaaatgat
88681	cccaatatcc	aaatcaaagt	catctggctc	tagaacctag	gcccttacta	cttcatgata
88741	gtgcctttcc	aaattttaaa	aaatatgcaa	gcattttttt	tctcttgaca	caccacaaat
88801	taattgtcac	tttgcaactg	ttgggagacc	tagtaagggt	tgttaaattc	atctctctat
88861	ataaggtaaa	gctataagtc	aatataatta	gatttgaac	ttatcaagaa	atgagccaat
88921	gaaaaataac	aacttctgct	tcggggagag	aggcttgtga	aaacggtttt	gttttttatt
88981	tgttttgtct	gatgggtaga	atctgcatga	gagcaaaatg	gaagccctga	tcttgatcgc
89041	aaaccagaat	tgctgtagac	agccttacat	cattccagat	taaatgctgc	ctggagaccc
89101	acatctactt	tgttatccct	ttgatatatg	aaaaagtatc	cctttccccc	tgagccatgg
89161	cactggggac	acactatcag	cacctacaga	aatcaaacct	tgttccaaca	aaaagaatgt
89221	ctccacccta	aaatttaacct	ctgctaacct	caaagtagaa	acaataagat	cagtattcat
89281	cgtgcttttt	tattcataac	acccaaatag	gcttcttttc	ctttgcagaa	aatagacttc
89341	tttcccta	gcataagtcc	tatgcattaa	aataaagagc	aacatagaaa	atagtaattt
89401	acctgacaag	gggaaatggt	tgatttttcc	aatcttccaa	agaatcactc	ttcaaaaaaa
89461	aaggaaatgc	agtcgttttag	agaatgtgag	cataaatgca	attaaacaaa	ctaggagctc
89521	ccataagatt	atcagcccta	aacactaaga	aaatcttttc	atcatagtct	ccaagattcc
89581	ttccataggt	atatttgaaa	aatgttaaca	gaaaaactct	taccttccaa	aacacttttt
89641	gttaacttcaa	tttcaacttaa	atctataatg	ttgcagagag	cattgttttg	ttaaaaacaa
89701	cacacacaca	cacacacaca	cacaaaattta	aaacaagtta	aatatccctg	tgacactgaa
89761	cttaaacataa	aaaaaactatt	tgaaaagcagg	ttccatgtaa	atgttttttt	gtttcccttc
89821	tgtccctctgt	cattaaaggga	gatgagaagg	caaaatggac	cgagttagagg	cagacagggc
89881	acagtcattg	agaaggggag	gtgtgttagga	gtaaaaggaa	ggaaaataag	gaaaagggaag
89941	gagagcaagt	gcatttgagat	gaaaactggg	ggaggatgta	cagtaataca	tgggaagtgg
90001	agttagggaaa	aaagaaaatc	ctattgagga	ttaggagatc	attttaggac	tatttgagac
90061	tggagtttgt	taaaatttcca	agcaatggca	ttgtgagttt	caaagttgca	tatgttggca
90121	gttcaaaaaga	agaaccagtt	ttaaaaggagg	ccaggaggcc	agttttttta	agtaacatcat
90181	ctgggttatga	ggatatgata	gttataaagg	aaagccagca	tttccaaaaga	aggatgtaga
90241	aagatacatg	gtatagaaaat	tctgccaacct	acaaggaaaa	tctgggggaag	aaataatttc
90301	tgggttatgtt	aatttaagttt	ggtcttgggtc	taagggttttc	cagctccattt	gcctgggtgc

FIGURE 1 (continued)

90361	tgaaatggta	atgtaaataa	gatataatta	ttggtttgcc	cattgagaat	tacaggccta
90421	ttgagatgaa	aggaaggcat	cataatgato	acaaagccta	aaatccctta	ggtcacaaaa
90431	ccaagtgcct	actaagggtca	gagacatgaa	tgctgaaggg	gactcagagg	gtactgtggc
90541	aatcaagaga	gtttctgtcc	catgtaaaaag	ggacagcacc	actgagtttc	agttgctttt
90601	gccatttgag	taccaggga	ctgaatcagc	agatctaatt	tctcatgagg	ggctggttta
90661	atgttcaaga	ttatttgatt	caaagcaaga	aggaaggaaa	aaaggaagg	agggcaagt
90721	ctatgtgaat	caaataaatc	acatctatgg	gctaccagag	ctctgattcc	atacatttta
90781	gaagtgagaa	gcttggttca	ggaaatgaaa	ggagcttggc	caagggtcaca	cagctagtta
90841	gtggtagagc	caagaacatg	ttaggaggca	ggcttcctca	ttcccagatc	agttgcctgc
90901	ctgtcttgtg	aagattctga	tgtactcaca	gacacactga	tttcttcctt	ttctccagag
90961	tttggcagtg	gccttgcttg	tgtgcttccc	tctccttagc	agcttggttg	aaaagtttcc
91021	aataaactca	aaaaaaaaaa	atccaaatcc	aatgttgctc	tggtccatta	agtaaatctt
91081	ctcgatctgg	gaagcaagtt	ggaaaagaag	gttaaacaca	ttggtgtttc	atggagtttc
91141	taagagttgg	agtcagcaca	actaaaatcc	tcactgcgcc	ctgggcctaa	tgttttgaaa
91201	cttgtctttt	ctttccattt	aaacatttcc	aaagtgttgg	tgctgcgctg	aataataaag
91261	cagctctaaa	aatacagatg	tattaaatcc	cttttttttt	ttaaaagtac	tctgacttaa
91321	cttgtgtagg	taaaatttag	aatcaaagat	gccatgaaa	tagcaaaact	ctaaataagc
91381	agtagcataa	agatgctgca	taaaatgatt	ataaaaagata	aaagggacag	aaagtttatt
91441	aaacatgaga	gaagaaagtc	atatgccagg	aataaagaag	gatattcaca	ctattaagga
91501	gtcacattat	tttattacac	aatcatgcac	cccttaagga	catttcagtc	aaccaaggat
91561	tgcataatac	tggtgggtccc	gtaagattac	aatggagcag	ccagacacgg	tggtgcacc
91621	tgtaatecca	gcactttggg	aggccgaggc	gggcagatca	cgacatcagg	agttcgagac
91681	cagcctggcc	aatatgggtg	caccctcttc	tacgaaaact	acaaaaatta	gcctgggtgtg
91741	gtggcgcgcc	tgtagtccca	gctgcgtggg	aggctgaggc	agaagaatcg	cttgaactca
91801	ggaggtggcg	gttgacgtga	gccgagatca	tgccactgca	ctccagcctg	ggcgacacag
91861	tgagactcca	tctgaaaaaa	gaaaaaaaaa	gattacaatg	tagcagaaaa	acttctattg
91921	cctagtgaact	tagtagccat	ggtaacaaca	tattgcaaca	cattactcac	atatttgtga
91981	tgatgctggg	ctaaacaaac	ctactacact	gccagtcatt	taaagtataa	cacatacaaa
92041	tgggtacagt	acatgatact	tgatgatgat	aataaatgac	tgttactggc	ttgtgtattt
92101	actatactat	attttatcat	tatttttagag	tgtactcctt	ttacttagta	aaagaaatta
92161	actgtaaaaa	agcctcaggc	aggctcctca	gaagatattc	cagaagaagt	cattgtttatc
92221	atacgagagg	acagacccat	gcattgttat	gaccctgaag	accttccagt	gggacaagat
92281	gtggaagtgg	aagacagtga	tattcatgat	tatgacctg	tgtaggccta	aactaatgtg
92341	tgtgtttgtg	tcttagttta	gtttttaata	aaaattcaaa	aagtaaaatt	taagttaatt
92401	aattaaaaaa	aacagcttat	agattaagga	tataaagaaa	gaaaatgttt	ttgcacagct
92461	gtacaatgtg	tttgagtttt	aagctatgtg	tgattacaaa	agtggtccaa	gatttttaaa
92521	aattaaaagt	ttatgaggta	aaaacgttag	agtaacctaa	gtttaattta	ttattggaga
92581	aaaaactttt	aaatttagtg	tagcctatgt	gcacagtgtt	tacaaagtct	acaacagtgt
92641	acaataatgt	tttggccttc	acattcactt	accactcact	ggctcaccoc	aatcaacttc
92701	tagtaactata	aaacttcattc	atggggaggta	ccctatgcaa	gtgtaccttt	tttatctttt
92761	ataccatatt	tttactgtat	ctcttctatg	tttagatatg	caaataactta	ccactgtaat
92821	acatttcccc	atagtattca	gtacagtaat	atgctgaaca	ggtttgcagc	ctagacgtaa
92881	taggccacac	cacatagtct	gagtggtgag	taggatatac	catctagggt	tatgtatgat
92941	gtccacacaa	aaatgagtca	ctcaacaaga	catttctaag	aagggtatc	tgctattgag
93001	acacctgaat	gtactgtaaa	tatggcttaa	aagggtattt	gtagttaaaga	gatccctcaa
93061	aacaccttca	atcatacaga	ggaaaaggaa	gttttaacaa	agtatttgaa	aagtagttat
93121	gtaatcatat	taaaaaaaaa	gttttaagac	agtatttgaa	aatagttatg	taaaataagt
93181	ttgcagcttc	ttcagtgtca	aagctcactt	ataatcaccc	aaacacatat	aagtctatct
93241	tataccctaa	aatgggttc	atgaattctt	agagaaatct	tacacaatca	tgattattgt
93301	gtgaatcatt	actaatataa	actataaata	tggaaattat	gtctgctttc	atacacaaga
93361	gttttactat	ttacatacaa	gagggagttg	gaaaatattt	gttaatactg	gaaaagaatt
93421	gggtgatccc	ggaagcccag	aggcctagtt	tcctctcggg	ggctgatgtg	attattgtca
93481	tcagcagctc	cctccaaaag	ctaagaggtt	ttgggtaaaag	caataatgag	ctatgcatac
93541	atggaaaatt	ctttcatgtg	ctttcaacca	acagaattta	attaaatatg	gttcataatg
93601	tttgatattt	taagccaaat	cttcatagtt	gtataatgtt	actgacagca	tcagcagaca
93661	agacacaaaa	gttttgggaa	caggaagtgt	agtaattata	attgaaattg	agaaataaaa
93721	agaaaaggtc	aagttaacaag	aaaatggggg	tgaattattt	ttctctacta	gtgttatctc
93781	ttgaaagattc	tgcttttcaa	taatacaaat	cacttctaga	agtattatta	ccatagaaga

FIGURE 1 (continued)

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93961	tagtgcagtg	gcacaatctc	agctcaccac	aacttctgcc	ttccaggttc	aagccattct
94021	tctgcctcag	cctcccaagt	agctgggatt	acaggttcgc	accaccatgc	ctggctaatt
94081	tttgtatttt	tagtagagat	ggggtttcac	catgttggtt	aggctgggtg	cgaactcctg
94141	acctcaagtg	atctgcctgc	ctcggcctcc	caaattgttg	ggattacagg	tgtgagccat
94201	cgtgcccggc	tagtcctttc	cttttgcttg	cattcctgta	agagagccta	agcctcagcc
94261	tgtgtaggag	cacagaactt	tttaagatga	ctcatatata	tgaggccctc	ccctcagctg
94321	ttccatcatt	gagaaacttg	tttctccatc	ctacattttc	tcagcttctg	ttattaaacc
94381	tgatcccatg	gagatggaga	cagcttcatt	tcatttcagg	ctctaaaagt	cttcctgagc
94441	taggggggtc	catctaagcc	cgtggcagta	aataccacat	ttacactaac	aattcctaca
94501	tctatctctt	tttaggtata	acctctctgc	tgaccttaag	cctcacacat	ctaactgcct
94561	ctaaggcacc	tcaaattcac	catacccgaga	taagcttata	atcttccctt	gaacacaaac
94621	atgcttttat	cacagtagta	gaactactat	gcacccagtt	tccaagaca	gaaacctagt
94681	aagtgttggc	tcctctctct	ccctctccat	cttctctcta	tattcaatca	atcatgcatt
94741	tcagttttat	tcagcaatct	catttgcccta	aaatttacca	gattttcttc	atactcaa
94801	tggaggacac	catacgtttc	ctggattatt	gtcatatctt	cttaactgag	atagcttcgc
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95281	tgttttagat	gctggaagta	tggtagcgaa	caaacagac	aagttgtcac	tctcatgggt
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95401	tgaagtatgg	agaggataat	gtgatagagt	gtgactgggg	caagaagaaa	tcttttagttc
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96181	ataaagttta	atattataat	taggttaaagt	aagatattaa	taacaataat	aataagagaa
96241	caagtataat	aatatagtgt	aatgaaaagt	atattaatgt	gctatctccc	tgtctctcaa
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96361	gtatgtgatg	agctgaagtg	aggtgaatgg	caggcatttt	gatggagcat	taggctgcta
96421	ttgagcttct	aataagtcag	aaagaagatc	atctgcttct	gggtgatctt	gatcattcag
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96541	ttgccaaaaa	gttttggaat	aacattataa	ccataataaa	aatttggctt	ctctttctct
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96661	tgactttaat	gotgcatttg	atccaaaggat	tatatcccat	aattttgtcc	tttaattgtc
96721	ttgcagctga	aaacatgtca	gtaaaattttc	gtaatgtcca	cattgtctgat	tctgtctctg
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96841	tcttatttgt	taatactctc	tgatggcctt	caaaatgttc	ttccacctga	gcaagtatgt
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96961	gaagctttca	caatttcact	ccatatgttc	tttcagcaga	cattttgcagt	tttggtttta
97021	attcaccaat	tacaacttga	ttaatattat	tgtgacagca	atagttagtg	atttccagca
97081	ctccataatg	tccagattag	agtctgcctc	aatttgcta	tgaattcaat	caaatactga
97141	gcagggttat	gtggccttga	cagactagat	gataacctgg	tcaaggggct	gaagcaatta
97201	gggtgtattt	ggaggtaaaa	atgcaacatc	aacattttca	tttttgttagc	aaatattcag
97261	gatgggtcag	tgcatccctt	attattaaaa	agactttaaa	ttccaatcct	ttatcttcca

FIGURE 1 (continued)

97321	agtattttttc	acttccagga	tgaagcattg	gtggaacat	tccataaaca	atatggctat
97381	cattcatgca	ttctgattat	gttaccataa	catgggcaaa	taatttttgg	ttttggcatt
97441	ggtttttgat	ctttgctttg	tacactatgc	ccggctttat	cacatgcctt	gcagttttgc
97501	cacacagtac	cagagttaat	ctgtccttcc	atgtttttatc	acctgatgcc	ttttttggac
97561	ttttatgaat	gtaggtgcta	ttggtcattc	tcttccagca	gagccagggt	tcatcacaat
97621	tgaagatttg	ctttggatgg	tatcctttct	ccttaatcaa	ttcctttaaa	tctgctggaa
97681	atgtgcagct	tcttcatctg	cagatacagc	ctcttcagta	attttttatat	tttcagggttc
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97801	catttcaaaag	aateccettgc	tgaagtcttt	atataggctg	aatggggccca	agtacaacag
97861	gttgcccttca	atcagtatat	gtttttatatt	ttgctcatga	cttccaccca	caattttaagg
97921	cctttttccat	cataactaag	cacttatcat	gcactgtgcc	cataaatttt	tcagttttgag
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98281	acaaaaacag	tccaagaaag	acctgctccc	ataattcaat	cacctccac	cagattcctc
98341	ccatgacaca	tgggaattgt	gggagtaaca	attcaagatg	agatttgggt	gggaacacag
98401	ccaaaccata	ccattccacc	acaggccctc	ccaaatctca	tgtacccaca	cttcgaaaca
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98521	ccacagtcca	gcgtctcatc	tgagacaagg	caagtccctt	ccacctatga	gccggtaaaa
98581	tcaaaaagcaa	gttagttaat	tcttagttac	aatgtgggta	caggcactgg	gtaaataggg
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98761	acgtccaggt	cacgtgatg	caagaggtga	gtgcccattg	tcttgggcag	ctctgcccc
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99541	agattttcca	aattttttatg	ctctgttttc	cttttaaaac	tgaatgcctt	taccagacc
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100261	cataattcca	tcacctccca	ccaggttcct	cccacaaat	gtgagaattg	tgggagtta
100321	aattcaagat	gagattttggg	tggggacaca	gcccacacat	gttaattacc	ttagatctta
100381	ccaaacctcag	catacaactt	ttttcttttt	ttttctcttt	tttgctttcc	tttaattcaag
100441	agacttcato	tttttactta	aaggaagcac	aatacagttt	ctcttttagt	tatccaaagt
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100561	cagaacacag	tgatacagtg	atactcaaca	agctgggcag	taagtgacta	ataggcaggt
100621	gggtgtgcaca	gcaagaatat	gctgaacaaa	gcaatgatcc	acattccagt	taggacagag
100681	tgggatgggt	tgagatttta	tcacacaatt	cagaactgtg	tgaattttaa	aactttatga
100741	gtggcattat	tagcatcttc	catttaaat	tttcagacca	cagtttgcgt	aaggtaattg

FIGURE 1 (continued)

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100921	tgagatgtcc	attgtagatc	taagtggaga	tgtggagtaa	cagttgagta	tataaactga
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101101	aaaggagaca	tggtcgggag	acctcaggaa	acttaacagt	tacagcagaa	ggagaaggag
101161	aggcaagtat	gtcttacaat	ggcaaagcag	gagagagaac	aaagggggaa	aggctacaca
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101341	caatttgaca	tgagaattgt	gtggggacac	agaaccaaac	catatcattc	caccatggct
101401	cctcccaa	ctcatgtcct	tctcacattt	caaaacagaa	tcatgccttc	ccaatagtc
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103141	ccaatagctg	ggattacagg	tatgccccac	cacgcccctg	ttaactttgt	tttttagtaga
103201	gacgggggtt	ctccatgttg	gtcaggctgg	ttctcgagct	ctcgacctca	gggtgaccc
103261	cagcccctgg	cctcccaaag	tgctgggatt	acaggcgtga	accatcacgt	ctggcggtga
103321	acataacttt	aaacaagcag	atctcatgag	aactcactca	ttatcacaag	aacagcaaga
103381	gggaaatcta	ccaccaagat	tcaatcacct	ctcatcagac	ccctcctcca	acacatggga
103441	attacaattt	gacatgagat	ttgggtgagg	acatagagcc	aaaccataac	atctcttaac
103501	cacaacttaa	aaatcaatct	gtgtgatcac	agatcctgtt	ttttgttttg	gtttgtgotta
103561	actgttaaat	gtctatgcct	agcatgtgcc	tgacacagag	aaggtattca	ataattgata
103621	tttgggtgaat	gaatgtacaa	attaatttct	agtttcatgg	tttgaacagg	gttttgggtta
103681	tttttgatga	tttttgaaat	accaccaatg	actataattt	aaattttcaa	acacaaaaca
103741	atgggaatag	ggaatatgag	gaaatgttga	ctctggccaa	gttatctcta	aaacaaacaa
103801	aaacgaaaaa	caattatttt	ccactgggaa	aaacatttgg	ataactgttt	agtttaaacaa
103861	attttgtgtc	cagctaaagt	gtgggtgtct	ataaacttat	atccaagaca	tacttaataag
103921	gotttgtttc	tagagtccac	cttatgatgg	cctaactcat	tottctttgt	aaccataaag
103981	aaatagtga	aattgccttc	agtcaatagt	ctaagcagaa	atttgaaaat	tgccctcata
104041	atataaatct	gagtttcttc	tgtgttggcc	tgaagaaaga	aaagtaactg	tcagcaaaata
104101	acgaaaataat	tttacttgta	tttgaatttc	tgcttcttta	aaaaataaat	taaaaaatat
104161	aataattaa	aacctgcac	cagccttcag	gaaaggcccc	aattgggtga	cactgaaggg
104221	ctactgtgac	cttagggtaa	ctgtgcactc	ttctgcccac	attgttaagt	aattataatta

FIGURE 1 (continued)

104281	gtattatggt	aggcaaagat	tgcagataac	caagaaatcc	cttcagtagt	taaaaaaaaa
104341	tcagttattat	atgaggaaaa	caatttgcct	ccacccatcc	ctcacacccat	acagaaaaat
104401	taatttgrga	tagattatag	atttaaattgt	aaaaaaaaata	aaactataga	gttgctagta
104461	gaaagcataa	cagaattgtct	tcataaaactt	tgggtaggca	aagattttcta	aaacaagatc
104521	tagaattaat	tatcctaaac	tattaaaaat	taacattttt	aactattgac	tattaagcat
104581	taaaataatc	gatacaattg	atgtcatcaa	ggttcacatt	tctgtctcatt	aaaaggtact
104641	actgagaaat	tgaatgggaa	agccgtagag	tagaagaaaa	catttacact	acagtcagac
104701	ctcttttattc	atcggtttcta	cattcatgga	atcaaccaac	cacaagccaa	aagaattttt
104761	taattgtatg	tttactaaac	atgtacagat	ttttttctta	tcattattcc	ctataaaaata
104821	cagtataaca	actatttcac	agcattttact	ctctattaga	tattgtaagt	aatcctgaga
104881	tgatttaaag	tatacatgaa	gatgtacata	gtttatatgc	acatactatg	ccatttttatt
104941	tgaaggactt	gagcatttgt	ggatttttgt	atctgtggga	agtcttggt	ctattcatcc
105001	atggatagtc	agagacaact	gtatatatga	gcaatttcaa	caactcaata	ataagaaaaa
105061	acacccaatt	taaaaattgg	caaaagactt	acataggcac	ttcactgagg	aagaaataca
105121	aatgactaat	gaacacatta	aagatattca	ataccatttg	tttcctggta	aatgccaatt
105181	aaagtcacaa	tgaaatgcc	ttacataccc	actagcatgg	ctaaaaattaa	aaaaataaaa
105241	agactgacaa	cacgaaatgt	tggcaagaat	gtggaacaac	tggaaatctc	acacattact
105301	gaaatataaa	ttggtaaagt	tagtttgaaa	attggttttg	aaatgtttta	taaaattcaa
105361	gctgtgctga	ctttataacc	cacaaaattc	acccttagtt	atttactaaa	gagaaatgaa
105421	aaatatatgt	taacaaaaaa	gtacgcaaga	atgttcagtc	actttattca	tagtagccaa
105481	aaactaaaaat	taatcaaatg	ttcatcaacc	gtggatggat	aaattgtgct	ttatacaatg
105541	aaatagtatt	agtagtaaac	agacaaataa	aaaacctgct	catacacagt	aacagcatgg
105601	aagaattctta	aaaatattat	gctgcaaaag	aaaacaggca	caaaggagta	tatcttgtat
105661	gatttttactt	gtataaagtt	ctagagcaag	atatctaagc	aatggaatca	tgagtgggtg
105721	cttgaggtaa	aggcagtga	aaggatttaa	ctaagaagaa	tttctaggat	gctaagaatg
105781	ttttatatct	tgatagatta	tggattattt	ggatgtatgc	aaatattcaa	actacaaatt
105841	ttgcatttaa	aatgtatgca	tttactgca	tattagtatt	tcctctatta	aaatattttc
105901	tttttattg	taaaaatatg	ctattaaaaat	cactaaatgc	aattaattac	ctttaccatg
105961	cgctaaataa	aacacgaatc	ccagtttagca	aacttttaaa	gaaaataatg	cagttttttt
106021	ttcacttttt	atcattgcct	tggttagcaa	tttattttta	taaacctcag	caaattttca
106081	tttaagccatt	atgttggttt	aatgagctta	tactttgtac	attttagctg	tgtgagaaaa
106141	tcaaactctg	acaggtccag	gtatataagc	cagcaatacc	aggcttcaa	gaagccccaa
106201	gatgcaagag	atatcacata	cttctgtcaa	acatcagaaa	ttcttcttca	ttagtatttc
106261	cagttctcaa	ctcccatacc	ctttcttccc	aatggtaga	aaatgcaga	acagattagg
106321	atcaactcagt	ggccctctgc	ataaaaagcc	aacaaaagta	acttccccca	ggtggagatt
106381	tccttgaggt	tttgcgtgt	atttttttgt	ttgatttctt	gttttttgtt	tgtttgtttt
106441	ttgttggtgt	tgttgctgtt	gttgttttta	gtgcttaggc	taacctagcc	tcagatctga
106501	ttctttagga	agcttctgaa	ataaaactaaa	gctgaagtgc	aacaacactt	tttatctact
106561	gocctgcaga	gtgaatttaa	caacctgcaa	ctcttaacag	cttgcctttc	gatgcagcca
106621	ctttctgaaa	cagcttctgt	ctcttatcac	agggtgtacc	tttgaacaa	agtttcaaac
106681	taaaaactgaa	ttagatttta	aaaacagata	aaagtggctt	tatagtaaaa	atttttgtta
106741	tatttttttat	ctaaaaaata	caactttttc	ttgattgctt	taatcttgag	aattaaaaaa
106801	atcatattct	cttttttttc	catagcacat	aatctaggac	atctccacaa	tottttaaaa
106861	ttccattttt	caaaaaatata	gactttaaat	tcagggtctga	taagatgtct	tgccbaggga
106921	agactggaaa	tggaatatct	tcacttttca	gcttcaatag	tggaagttag	tgagaaattt
106981	aaatggctta	caggcagcca	gaggcctaca	tctggccata	aactttgaca	tttagatgac
107041	ttgatgagga	gacaaaataat	acatcacaa	ttattatcta	gaaaataaaaa	tattttttat
107101	aaataggggag	aatatttagcc	ttttctaatg	cagttattta	taaatgtttt	aaacgggtta
107161	caataaaaaga	aaaaaaaagaa	ctatgtaaa	tgcttaaaat	agggaaaaaa	atgttggtgt
107221	tttggtgcaat	gccttaaacat	actgtccata	aaaaggttgt	cttcagaaa	taagattgat
107281	ttctcaataa	cacaggacag	atgttggtca	gatgctagat	atatccagac	ttgaccccaa
107341	atgtgacatg	ttactgtggg	taagcttgaa	ttactactct	ttatgcttta	tttaacaaaa
107401	atgtgtaaa	ttgcaagaaa	cggtagtctg	tactotcaaa	aatgcatgaa	tggaaaaacc
107461	taggaattgtc	tgggtggcat	aagaccacaa	gcatttaggg	gctgataagt	ttctccagga
107521	agaagttagtt	gcaaaataagg	gtcacaaatta	caattggatt	ataatgtgat	taaaattcata
107581	ataattatttt	tttaagttgat	ttctgggtcaa	agtcacaggac	ttttgtgaat	gtaaatttct
107641	ctctttgtgt	acacaccttt	agagcataca	tatagatcaa	catgttgata	attcagtgac
107701	ctctttccat	aattatttgt	cttacttggt	gaatgtgaaa	ttttaaaactg	atttatgaga

FIGURE 1 (continued)

107761	taatgtcaat	acttaatttt	caagatgtta	aattcattgt	ctaaagttat	attgtcttca
107821	ttttctgtc	tatgaagtat	agattctact	tgcacttttt	cttagtataa	acttattttac
107881	acaaatatct	agaagagata	aatcatttta	aatgtttccc	attttaactt	ttaaagacag
107941	gaaataattg	gaagtccaac	aaagaaagt	aggttagatt	tgtgaaactt	attgtgttat
108001	gtttctaaat	tctaaaaatt	attttttaact	gaaagaagta	ggaagtacaa	atatatcagg
108061	atttagataa	aacttttcta	aagacataag	ttttatctct	agtataagaa	ataaagtgtg
108121	gcacaaatgt	gcagcctgga	tttttactgt	agtaccaa	tttaagaata	tctcttaact
108181	actatcacac	taataagcca	tggtttgaaa	aatgaagcca	cagaacatat	ttatttgaat
108241	gaaacatcag	gaagatatgc	agatatataa	tattttgctt	tgcactctgtg	tgtttcttta
108301	aaacctgtg	ttacctccga	aatatctttt	ctttcttttag	ccatattttct	atctatgagc
108361	aaggcttgaa	aggtgactta	aagggggagt	aaagggtctg	ccaaagctta	caacattctt
108421	attgatgtta	aatatgaaga	attttctaga	atgcttacaa	aataatcatt	ctgcatttat
108481	ttctgtttta	gagaccaata	gaagataaaa	cagctgagag	ataaattctg	aatctgttct
108541	aattatatct	tgggaattca	aaatgcacat	taacctatca	gagacttcaa	gaagtcttgc
108601	agtaagtaaa	tctgttttagc	tttgtttatc	gtagggttct	ccaacttttc	ggacaacata
108661	atggcagtta	cataacatgg	aagtttctac	ttgggaaatt	gccaagaatg	ataaagtgtg
108721	aatggaaaaa	atatattcaa	actatgtgta	tatatattaa	aagggtcaata	tattaccact
108781	atcacacaat	ttatgagata	cttccaaata	tgccatttta	ttttacttcc	ataaatatgt
108841	tgtgagttag	aaagggcaag	tattaatcac	attcattttg	aagatgaagt	aacttcaact
108901	taagtgcacg	tttcagatcc	aaaggagata	aagtaactga	attctgtctc	aactgaatga
108961	aatcaagagc	ccttcacaga	atgcatgaag	cagctacttg	agaactctga	aaagtaaatg
109021	atagcagggg	gattgagcaa	gaaatccaga	acccaaagta	caagcaatcc	agtggggagt
109081	tttcttgttt	tctctttttt	ccaccatata	ctccttgctt	tagaggataa	tatcccagaa
109141	tagataaatg	accaggcaca	gcaggaaaga	gctccaagat	acactttttt	aaaattatga
109201	ttctatttat	tttggttttg	tgcattggaa	gtagagtctc	tatgaagcag	aaaaagtgtg
109261	gggaattccc	cgagcttctc	ttgtctcttc	aactttgctt	acagcaacct	tcactcctga
109321	atctccaact	ttgtgggtgt	agtcatggca	accaggcagg	taccgaaaac	tctgagagag
109381	gagagttcgt	ctctctaacc	aaaaaaaaaa	aaaaaagcta	tggaaaagaa	aacctccctt
109441	tttcacctct	tcttctctgc	acttggtatc	ggaggcagaa	tgagtcaaat	aatgtacaaa
109501	gcaggggtgag	gagacgtagc	caggcaacca	agaaggaagg	actctgggag	tgaggcaatc
109561	tgggtggagac	tgtggggata	aggggattca	agaaaggaat	cccgaagt	ttatatgaac
109621	ccttgctctc	acatctgagt	tgaatggtgg	atctgatcct	aaacagtatg	cctaaccggc
109681	tttgagaaca	aaaaatatga	gggagactac	cacacacatc	tgagacctgc	tccatgggtg
109741	gcacacatgc	agaagagctg	aacaacattg	aaaaggcttt	gaaaatatac	tgatatttga
109801	actacagtac	acataaagtg	tgtaaagaa	tgcagccagc	acccaactga	atcaattctc
109861	tactaaaaca	aacctaacaa	caatgaaatg	ttatccatat	gatttaattg	agatccagac
109921	cctcataatt	taataactcaa	aatgtccagc	atccaatcca	aaattactca	acatatataa
109981	gaactagaaa	agtctgacaa	attaccaaga	gaaattaaaa	ccaacagaca	ccaacccaat
110041	acgaaaacaga	tgtagaatta	tcaaaagtta	aaaagctttt	ttagcatgct	caaaataagtc
110101	acaacaaaaca	ttcttttaaaa	aatgggaaga	aaaaaatgto	tcactagaga	gatgaactta
110161	taaaaggagaa	ccaaatggaa	attttacaac	tgaaaaataa	aaccactaat	gttcttttaa
110221	atccgttaat	ttaaaaaaa	attcagtaga	tgggttcaat	agcagaagga	agacaataga
110281	ggaaagtaat	tttgtagata	aatcaataga	aagtattaaa	tttgaataat	ggaaataaaa
110341	tattgaaaaa	aagaacagtc	ttgggaactt	gagggcaata	tcaaaaagtc	taaacattgt
110401	atcatcagaa	ttccagaaa	ataagaggaa	gatgggtggt	cagaaaaaaa	ttttgaagaa
110461	ataatgggtg	aaaacttccc	aaatttgtgt	aaagacataa	acctacaaat	taaaagtctat
110521	caaacccaaa	agagaatgaa	ctcaaaagaa	tacatgcccc	tatacattgt	aatcaagtct
110581	atagaaaaca	aaaataaaga	aaaagtgttt	aaaggagcca	aagcaaaaaa	atacattctt
110641	tataggagaa	taactattca	aattattgta	catttctcat	cagaaaaaga	acagtgttgt
110701	gaaaaatttta	ctgtactgaa	agaaaaggagt	tgtcagccca	gaaactattat	taagttaaaa
110761	taaccttcac	ttacaaatga	agataaaaaa	taaagggtac	tcaaaattaga	aagggaagag
110821	tcaaaattatc	cttgtttgtc	gatgatatga	tottactttt	ggaaaaacta	ccaaaaacta
110881	ttagaactga	taaacaaaatt	cagtaaaagt	gcaggatata	taatcaacat	acaaaaatca
110941	gtagcatttc	tatatctcaa	cattaaacaa	tctgaaaaag	aaataaaaaa	agtaatccaa
111001	tttacaatag	ctaaaaataa	gataaaagaa	ttaaagaagt	aaatgatcct	tacaatgaaa
111061	actataaaaat	attgaaagaa	attaaagagg	acaccaaaaa	cagaaaaatat	tttcatgttc
111121	atggatttga	acaatcaata	ttgttaaaat	ttttgtacta	ctcaaaagca	ttatcagatt
111181	cagcataatc	cctgacaaaa	taccaataac	attcttcaaca	gaaaaaaaaa	agaaattctaa

FIGURE 1 (continued)



111241	aatttatatg	gaaccacaaa	agatccagaa	cagccaaagc	tatccttagc	aaaaagtata
111301	aaactggagg	aaccacatca	cttgtcttca	agttattgta	cagagctata	gtaacccaaa
111361	cagcatgttt	atggcatgtg	aacaggtaaca	cagaccaata	gaacagaaata	gagaacccag
111421	aaataaatcc	atacatctac	agtgaagtca	gttccaacaa	agggtccaag	gacttaagtt
111481	gaggaagaac	aatatcttct	ataaatggta	ctgggaaaac	tggatgtcca	tatgcagaag
111541	aatgaaaata	gacccttatg	tcttgctata	tatgacaatc	aaatcaaaat	gaatgaaata
111601	ctttaaccca	agaatttata	ctatgaaact	actacaaggc	aacattgggg	aaactctcca
111661	ggacactggc	ctggacaaaag	atttcttgag	tagtattttca	caaacacagg	taaccaaagc
111721	aaaaatggac	aaatgggatc	acataaagtt	aaaacgcttc	tacacagcga	agagaacaac
111781	caacaaagtg	aagaaacagc	acacagaatg	ggagaaaata	tttgcgagct	atatacctga
111841	aaagggatta	ataaccagaa	ataataaaga	gcttaaacia	atcaatagaa	ataatctaata
111901	aattctgattt	taaaatgggc	aaaggatcta	aatagacatt	tcttaaaaga	agacatacaa
111961	atagcaaaaga	gtaatatgaa	aaagtgttca	acatcactga	tcatcagaaa	aatgcaaatc
112021	aaatctacaa	tgagctatca	tctcaccaca	gttaaaatgg	cttttatcca	aaaggcaggc
112081	aataacaaaa	tgctgggtgag	gatgtggaga	aaaggaaaaca	tttgtacacc	attggtataa
112141	atgtaaatta	gtacaaccac	tgtggagaac	agtttggagg	ttcctcaaaa	aactgaaaat
112201	aaagctaccc	atatgatcca	gctatctcac	tactagaaat	ataccgaaa	gaaaggaaat
112261	tagtatattg	aagcaatatc	ggcacttcca	catttattgc	agcagtattc	acaatagcca
112321	agatttgga	gtaacgttaa	gtgtccatca	gcagatgaat	ggataaagaa	actgtggtac
112381	atatacacia	taaaatacta	ttcagccata	aaaaaagagc	gagatcctgt	cattagcaac
112441	aaatagatg	gaagtgtagg	tgcttatgtt	aactgaaata	agcctgacac	aaaaaaacia
112501	agttcacata	ttctcattta	ttttgtagga	gctaaacatt	aaaacaattg	aattcataga
112561	catagggagt	agaatcatgg	ttaccagaag	ctgggaaggg	ttatgggggt	tcagggagat
112621	tagtcaatgg	gaacaaaaat	atagatagat	acaataaata	agatccagn	ttttatagca
112681	caacagcatg	actatagtca	acaagaattt	acacaaatct	gtgcacttta	aaataactaa
112741	gagtataatt	ggattgtttg	taacacaaat	aaaggataaa	tgttcaagg	gatagatact
112801	ccataaatatc	ctgatgtgat	tattacgcat	tgtgtgtctg	tgtcaaaaaa	cctcacatac
112861	ctcataaata	tatacatcta	ttatgtaccc	actaaaatta	aaacaatagc	ancantatat
112921	nccatagatg	aaataaagat	ggttttggat	gaatgaaaan	nnnnnnnnnn	nnnnnnnnnn
112981	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn
113041	nnnnnnnnnn	nnnnnnnnnn	ctttgtttac	tcccaccaat	tggtccaaaa	ggctccccag
113101	ttttaatctt	acttccttgt	ccaaaattgc	tacttgagtt	tcagtcgttg	ctactgtatt
113161	ctgggcagct	aagagaggca	cggtagtaaa	aacaggccat	ctcagtttca	tcactctctt
113221	taagttgcct	ttctagaagt	cttaccaaat	agtttctcat	actttgatca	gaacgtatgt
113281	atgtgccac	tcataatacc	caaaggaaaa	tctgtttttt	tattttaagc	agatatatgc
113341	tcctgaaatc	tgagttccct	tattggggag	ttgagggaat	gttgggtaca	ataagpagtc
113401	ttccatagac	cctagagaga	atattcctga	aattgatgtg	agtgaactc	tggagtacag
113461	taaagcaaga	ttttctaatt	tgagaatact	tttatcatat	ttaccaatat	aagttgatat
113521	tttaataaatt	tactgtatat	attggataca	gatataaaaag	ttacttgtgt	gtttgtagt
113581	gctgtcatta	ggaacaaaga	ttttctttaa	gtgtattttg	caatgagttg	caactatagc
113641	agtttctacc	ttttagctaa	atactttagt	catctaaata	ttttgattag	acacttaaga
113701	tataagaata	ttaaacttta	aattccctca	aagaacaaaac	tatatataata	tgataggaat
113761	gtttgtctgt	tttgttgtca	ttttcaatat	catttctatt	cttatgtttt	aggaagctat
113821	taacatcaca	ttggatcaca	aatgcaaaat	tttccagacc	ttaaatggag	ctgtaggtat
113881	gottccctaaa	taccggattg	cttacgtata	caaacaaaaca	cctgtgtttt	caactatctt
113941	tcctttgtta	tgctcatttg	ggggctgtga	ctaagggtcga	cagtgtaaat	attgtaattt
114001	ttgtaactta	acaaaaatac	tagacttgaa	cttaacatca	gtacattaaa	ttaaaatcat
114061	ttcctatgac	tagtgtgaaa	aagataagct	tctggcttta	ggtaacttaa	aatttagtpt
114121	ctcacccattt	gggaatttta	gataagttta	taaatttaatt	acactttatt	attacacatt
114181	ttctagtga	attcttttga	ttacgaattt	cccagagtat	tagagttagat	ctttttgaaa
114241	cagctgaaaag	ataactgggtg	acaactagac	agtagactgg	ggaagagtgt	gtgtgtgtgt
114301	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtac	atgctcgtgt	ggatatgcat	atgtgcctgt
114361	gtattataga	tacatatatc	ttgataaaaat	acattaaaac	taatcaatac	agtaaaaatt
114421	aaaatataat	ttattaacac	ataaaatactt	ttaaatatac	atataaaaaat	tgagaatata
114481	ttgcaattca	atcaataactt	caagtcagtc	catttagtaa	aaagattctt	aaaatctagt
114541	caggcatggg	gggtcgtgac	tatagtccca	gctatatgag	aggctgagga	ttgattgato
114601	ccaggagttc	gaggctgcaa	tgacctgtga	ttgtgtcctt	gcactccagc	cggggccaga
114661	aagttagacc	cagtccttaa	aaaaaaaaaa	aaaattccca	caatgcaaaa	tgtttagttt

FIGURE 1 (continued)

114721	ggagtgcctca	ggaaattttta	agacgatggc	tctgctcctc	tctgacttga	gttttatctt
114781	gcttaaatgtg	ctaagtctga	tttttaagaa	ctggaaatat	tatcattggt	agccaattgt
114841	agaacccttg	cttatgccag	acaatatctt	actcaccatg	catatattgt	tattatcttc
114901	ataataaccc	taaaagacag	acgtggatac	catttgatag	atgactaaac	tgagttacta
114961	atttaacttg	gcaagaataa	caatactatg	aaggggcaaa	ggcaggattg	caagatgaat
115021	tattctgaca	gacagctcac	tggcttagca	cctcaatcac	tttactgggt	ccaggttgga
115081	gtgagtttgg	tatctgtatc	tgttgctact	gtcatccttc	attttgggta	tctgctggct
115141	tggagtagat	gaagttacta	gaagtgttgt	agcaacttga	atattacatc	catgagaaat
115201	tttgtaatga	tgatacaaac	acatacaaac	acagacacac	gaatacacag	acacacacac
115261	gtatttttaaa	ttactaaagc	ctattttctc	tttttaaccc	agatgaagtt	gttttaaaat
115321	ttgaaaatgg	caaagccaga	gctaagaata	cattttatga	aacattacca	gtggcaatta
115381	atggaaatgg	accacaccaag	gtaagtaaca	gttactttta	tttggccaat	tcttggaagt
115441	agactatgga	ttgatatgtg	gaatgtcctc	tatttttatt	ttaaaaattt	ctttcaaaga
115501	ctttatttttg	gtgctaaaaa	aaagacttca	tcttttacac	agtatatcat	ctggttttat
115561	actaattaat	taatcaaact	gatttttctt	cagcagagtg	atagcctttt	attctattta
115621	cagcacattt	ggcgtttttat	taaataataa	caactaactt	gggagtggac	cacatttctc
115681	tcatactggg	tatcctttct	cattaggaat	tgctcaggac	attaagagat	catttgtttc
115741	acctgacttg	ccgtttttct	agttaacaac	actgttaaga	ttgggggtatt	acaatatggc
115801	cagaaaagct	cctctttctc	ttatttctt	aactacagtt	aatgaaagt	acataatttg
115861	accaataaaa	ttttggatgc	ctttctgttt	caaatgtgta	taattgagct	tgctaaaaat
115921	gttattgact	gcaaaattta	tagatgaaaa	gtttgttttg	cttgggtcca	atcaagctgg
115981	aacataaatt	gcattgaaaa	aatatagtaa	tactgtgctt	acaacaacct	tctgacatgc
116041	tgaaatgcct	ggttttaagta	cctagaaaag	ggattaacag	atttttgttg	tgggaagaaa
116101	atactggggg	atgtgggctt	ctgttccaga	ggagtggagt	atctgaattc	caggaaaagc
116161	tatgtgaatg	gaaagaaatg	caaggaaaac	gcattgctgg	aacttctgct	ccatcaaact
116221	gaaagaagta	gattcccgtc	tcttctagtt	aatctttccc	ctttggtttt	catcccattc
116281	cagccttctt	acaaagcaat	ctctatcttg	tgccctcctt	cagtctctat	cttataatca
116341	gtttccccag	ctctgtcctc	tcttcattag	cattttaaag	accagtaagt	ctctcccttc
116401	ttacaaatga	aaccaaaacca	agccaacaca	aggtagaaca	tctcttcaaa	tccacactgc
116461	cttccaggct	gcacctggct	tttctcctcc	ccttcacagc	caaagtttct	taaaagctag
116521	ataactcgct	gtcactactc	cacctcttcc	catcacagta	agaaatgctc	ctgttaaggt
116581	ccattgtgaa	atctttgttg	agtagtggac	attgttcagc	ccttattttt	atttcacctt
116641	aagacagcat	ctgacaattc	attgatttct	tttggctcta	cttgaatgct	ccttcccttt
116701	gcttccacga	tgctctgctg	ctttgtctat	ttattttctg	ggctttctct	ttcaatctct
116761	atgggtctct	aaaaatattta	ttttaaaaat	tttacagctc	agtttggtgt	catgtagtga
116821	ccctcatcct	tactgtttta	gtaaatgttc	acaggggctt	gtctgggggc	tcttcccttt
116881	cttttccata	tacattgttg	ggtaatttga	gtcatttctt	catcagtgaa	ttctcttaat
116941	gttgggtggt	ttcaaatctt	tctctaaact	cctgtgtctt	tcttaagctc	caggttcagaa
117001	tactcaagtg	gtagatttct	gtgttacata	tacccagaga	tttaagactg	cagcatttcc
117061	tccctctata	acctcagtggt	taaccagaac	ctgggttttg	tttggctctg	aggaacttcc
117121	cactccaaaa	gcccctctgt	ctaactcttg	tgcatgtgtg	ttttatctga	ttttctcagt
117181	ggccatagca	actttcttag	ttcaggccac	ctgcaacctc	cttctagtag	caatccacac
117241	cccgacagcc	tggaactaga	gtattctgct	aaagcagaaa	ccctgtcaat	ctactcaact
117301	atataatgat	tttctgtgaa	cttaggtatg	aagttgaaaa	tcttcaaat	gtcatacaag
117361	gctctttatg	ttgtctctgc	tttagtggcc	accaatctac	caacccattc	actctcttcc
117421	tcccaacctt	acacatgcac	acctcttcca	cattcaattt	cttctctctt	ctctctctct
117481	gctcagcaat	actacattac	tttcaacttt	gcagaaagtt	catgttgtgt	gtgttcaaaa
117541	tcttctgtac	atacatgctt	tttatatata	ctggaaatct	cttccctctt	tttctctctg
117601	ctgcaatctt	acctgttaag	tcttctctat	cttctagggt	tcaggtgtgt	tttctctctt
117661	tgggtctctt	gtatgtcttt	gtaatctctg	gagctatctt	gtttacagta	gtgttcaaac
117721	actggacagg	aatgatattt	gctgttttct	tggctctctt	tactaggctt	ttgttttagg
117781	aattacagaa	accttatctg	tcttgtttac	ttttgtttcc	ccaggggtcc	gtacatgtgt
117841	agcgaataat	acgttttcaa	caaattcttaa	ttgaatgtta	gagtcacata	tctaatgacc
117901	tagcattatt	cttggggagta	gtaaggcaga	ttattttctg	gcaggggcaaa	agcattatca
117961	aattactatt	ggttggctgg	gcattggtgg	tcacacctgt	atccacagat	ttgcaagggt
118021	aaatgggtgg	atcaccttga	ggcaggagtt	caagaccagc	atgaccaaca	ttgtgaaacc
118081	cctgtctctt	taaaaaaaaca	aaatttagct	gggttgggtg	cacatgcctt	taattccagc
118141	tactgttagag	ggctgaggca	ggagaactgc	ttcaacccgg	gagacagggt	gaggtgagcc

FIGURE 1 (continued)

118201	aagatcacgc	cattactctc	cagcctgggc	aacaagaaca	aaactctgtc	tcaaaaaaaaa
118261	aaaaaaaaaa	agttggtcac	tgtaactttc	cctaggcaaa	tttaatatag	gaatcccttc
118321	actatgtgtg	tgtatgcact	gttttaagct	tctgtgatac	tgtcagtgcc	agtttagtcaa
118381	gagctggtag	aaccccactt	ttcccataac	tacatagtgt	tctgttccct	cttggtaata
118441	taatatTTTA	atcaaattta	ggctgggtgcg	gtggttcaca	cctcatgtca	cgttaggagg
118501	ctgaggcagg	cagatcactt	gaggccagga	gttcgagact	ggccagcatg	gtgaaacctt
118561	gtctctacta	aaaatacaaa	gaaaaaaaaa	agaaaaaaaa	ttaggcagct	gcttgtaatc
118621	tcagctactt	ggcaggctga	ggcacgagaa	tcgcttaaac	ctgggaggca	gaggttgcag
118681	tcagccaaga	tcggggccatt	gcactccagc	ctgggcgaca	aagcgagatt	gtgtctcaaa
118741	aattttaaatg	tctttgagga	gtgatttttg	tcctgagaat	ttagtgatta	tggataaggc
118801	cttatgttca	gtgattttcaa	cgtgatcacc	aattccttcc	aaatttccag	gatgatgctg
118861	actggagctt	taaaaagtga	ctaaaggaca	tatcacaaga	aaaggagcac	taatccctaa
118921	tcattgaaaga	agacctaggt	gtactaagaa	atattaagtc	ttcttggaaa	cattttcagt
118981	ttgcactatc	actgtttctg	gcatttcaag	ctatgtgatg	ctcctattat	gttttctctg
119041	atattatcat	atctagtcca	ttttgttatt	ctattagaca	ataaaatatg	aagttttatt
119101	atagatatata	tatttggtat	aatacaaaaa	ctcgagaaaa	tttgaatatg	taaacattta
119161	acactaatac	tttataatat	taggttaaag	ttaaataaat	tcaaatgagt	atgtcacgta
119221	ttcttcttat	ccaggctgat	ggggaaagaa	ggctgattat	tacaaacatt	ttttaacctt
119281	tataaaaggt	ggaaggattt	tttggtatga	ttttttgtaa	gttagtttta	cttattattt
119341	tgttttagtaa	tggatgttta	taatgatagt	ggttttgagc	cataatattg	aactaaacat
119401	ttaaagcagtt	ttttcattaa	aaatgtatat	aatctataag	tggatgaagt	attatagtat
119461	gttgatgata	ctaaagtata	aaaaatgagc	ttatttcccta	ctttctccaa	attttatgcc
119521	attggaaaaa	atattaacaa	ttttaagtaa	ttttaaaaaa	catttatact	gccctcccat
119581	atgggttttaa	ttcatagctg	ttttcagttt	ttatgtctcc	tcagtatata	tcattgaaca
119641	tttatattttt	cctttgtttt	catagtagta	tataaacaat	tttgtgtttc	ttaattaaca
119701	ttttatttta	aacatattta	ggtattttta	ataattattt	tcatacttgg	tctgtataaa
119761	tctaatatga	atcaattttt	agatagaaac	tggtttctaa	tttgaagggt	tactttttct
119821	tgaaccccat	ttattgttag	taatgtataa	gatgcataat	ttaatgttca	gccctttctt
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119941	taagttcttg	gatacatgtg	ctgaacgtgc	aggtttggtg	tacataggta	tgcattgtgt
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120121	atgttccccct	ccctgtgtcc	acgagttctc	attgttcagc	ccccacttat	tccagtgaac
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120661	caagatcaaa	caggatccca	aggcagaaga	atttttctta	gtacagaaca	aaatgaaaag
120721	tctcccatgt	ctacttctat	ccacacagac	ccggcaacca	tcagatttct	caattttttc
120781	cccaccccttc	ccgcctttct	attccacaaa	accgccattg	tcattcatgg	ccatccccaa
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120901	ccagtagggg	cgccccggga	gaagcgcccc	tcacccccc	gatggggggg	ctggccgggg
120961	gggggggtga	ccccccaccc	ccctcccgga	ctgggggggt	ggccgggggg	gggggtgac
121021	ccccccaccc	ccctcccgga	aggcgagctg	ggccgggaga	gggggtcttc	acttcccaat
121081	ggggggcgcc	gggcagagga	gcccctccac	tcccggaagg	gggggtcttc	ggggcggggg
121141	gctgaacccc	ccacccccc	ccggccgggg	gggggtggcc	gggcagaggg	gtcttcattt
121201	ccagtagggg	ggggccgggg	agaggcgccc	ctcacccccc	ggacgggggg	gctggccgac
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121321	ccagtagggg	ggggccgggg	agaggagccc	ctcacccccc	ggacgggggg	gctgggtggg
121381	gggggggctg	accccccaca	ccctccccc	ggacgggggg	gcttccgggg	ggagacgctc
121441	ctcacttccc	agacaggggt	gttgccggac	ggaggggctc	ctcacttctc	agacgggggg
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121561	acttcccaga	caggggttgg	gcccagcaga	ggcgctccct	acatcccaga	cagggcggtg
121621	ggcagagggg	gctcccccac	tctcagacga	tggcgggggg	ggcagagagc	ctcttcattt

FIGURE 1 (continued)

121681	cctagatggg	atggcggcgg	ggaagaggcg	ctcctcgctt	cctagatggg	atggcggcgg
121741	ggcagagacg	ctcctcactt	tccagactgg	gcagccaggc	agaggggctc	ctcatatccc
121801	agacgatggg	tggccaagca	gagacgctcc	tactttccca	gacgggggtg	cgcccgggca
121861	agggctgcaa	tctcggtctt	ttgggaggcc	aaggcaggca	gctgggaggt	ggttgtagcg
121921	agccagatgc	acgccactgc	actccagcct	gggcaccatt	gagcactgag	tgaacgagac
121981	tccatctgca	atcccggcac	ctcgggaggc	cgaggctggc	ggatcactcg	cagttaggag
122041	ctggagacca	gcccggccaa	cacagcgaaa	ccccgtctcc	acaaaaaaa	aacgaaaacc
122101	agtcaggcgt	ggcggcgcg	gcctgcaatc	gcaggcactc	ggcaggctga	ggcaggagaa
122161	tcaggcaggg	aggttgaggt	gagccgagat	ggcagcagta	ccgtccagct	ttggctcggc
122221	atcagagggg	gactgtggag	ggagaggggg	gaggggggag	aggggagagg	ggagagggga
122281	gaggggagag	gggagagggg	atatgccaca	ttttctttat	ccagtctatc	attgatgggc
122341	atttgggttg	gttccaagtc	tttgctattg	taaatagtgc	tgaataaac	atacatgtgc
122401	atatgtcttt	atagtagaatt	gacttagaat	cctttggata	tataccctgt	aatgagatta
122461	ctgggtcaaa	tggtatttct	ggttctagat	ccttgaggaa	tcactacact	ctcttcaca
122521	atgggtgaaa	taattttacac	tcccaccagc	agcgtaaaag	cgttcctatt	cttccgtatc
122581	ctcaccagca	tcggttattt	ccagacttta	gcgattgcca	ttctaactgg	catgagatgg
122641	tatctcattg	tggttttgat	ttgcatttct	ctgatgacca	gtgatgatga	gctttttttt
122701	catgtttgtt	ggccacataa	atgtcttctt	ttgagaagta	tctgttcata	tccttcgacc
122761	actttttgat	ggagtgggtt	tttttttttt	cttgtaaatt	tgtttaagtt	ccttgtagat
122821	tctggatatt	ggatggatag	atagcaaaat	ttttttccca	ttctgtaggt	tgccgttcca
122881	ctctgatgat	ggtttctttt	gcagagcaga	agttccttag	tttaattaga	tcccatttgc
122941	caattttggc	ttttgttgca	attgtttctg	gtgttttagt	cgtgaagtct	ttgcccagtc
123001	ctgtgtcctg	aatgatattg	cctaggtttt	catctagggt	ttttatagtt	ttagggttta
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123181	ttcc'ccattg	cttgtttttg	tcaggtttgt	cgaagatcag	atggttgtag	atgtgtggtg
123241	ttattttctga	ggcctctgtt	ctgttccatt	ggtctatata	tctgttttgt	taccagtacc
123301	ttgtctgttt	ggttactcta	gccttgtagt	atagtttgaa	gtcaggtagc	atgatgcctc
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123421	tgaattttaa	agtagttttt	tctagttttg	tgaataaagt	caatggtagc	ttgatgggaa
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123661	gtagcagttg	tgaatggaag	ttcactcata	atttggtctc	ctgtctatta	ttggtgtata
123721	ggaatgcttg	caatttttgc	acactgatta	caaaaagata	acaggggaag	agctaatac
123781	ctgatctaca	catgaacata	actcatttct	gaaactaatt	tgatttgtaa	taaaaataga
123841	gatgtgaatt	ttgtgcataa	aagctgtagt	acttgggtca	ctgtgacctt	gaataattgg
123901	atatgatctt	taaaagggaag	aaagaggaaa	ggatttgggc	ggaaaagtgt	ctctgtcaat
123961	gaaaatgaca	tcatacttgg	aaacattttg	atattgtgaa	agaagaatca	ggaaaatact
124021	atcacctagt	agcccaggag	tgcccagagc	agcctaactg	cataaacagc	cttctgcacc
124081	gtctagagct	gccagcaaaa	atgtctctag	ttttcatgag	gaaaacagat	gtaaaatggg
124141	ggtgggtgat	gtggataaoc	tctgctctgt	tggtgagagg	tccaaaagag	ggaagtctct
124201	agtcaaaagt	aatgttttcta	aaatatctta	gttatctagg	aaacaaattg	agataaaaag
124261	cagagggtag	gaaagtgaca	agtttaattc	cgaaaaactaa	aagtgtgtgt	ttttatgtct
124321	taacatttta	aaactagtga	tcattttta	attcattatg	ggattctagt	agaactgatca
124381	ataactcatg	aaataaattt	tacattttta	ataagatttt	tgagatgggt	gaaataccag
124441	tttttatata	taataagagat	tttagacatg	gcataaatat	tggaataatt	ttttgtgttt
124501	ttaaaaaaac	ttttttctcag	gatattttta	ataaaaaact	gtttttcacc	tttgcatatt
124561	cttttatctt	tttaagaaata	atgctaaata	ggggatacat	ttccacatag	atattttttc
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124681	gtaaaaatatt	tattttctgtt	tttattatca	agacacatta	aaatgaaccac	attgaactctt
124741	gaaatgtcgt	taatatcatg	actacatctt	tcctgcoctg	taatttggtt	cctgaatttat
124801	cctgtagtcc	agaagaaatg	tgaatggctt	acttgtccat	gttttcta	tttgctgtag
124861	agattaaatg	tagctatata	tataatatct	gtacaacaca	aagtttttcc	cattttaaag
124921	ttcttggttt	agcagtgttt	gtttcagttg	ttcagtacaa	taagaatatt	tgaacaggat
124981	cccaaaatatt	tgagaggaat	ctggcaaaaat	ggtacccaac	tacttcatgt	attccacact
125041	ttaacatccc	ctttaggact	tttaagaagct	agaaaaactct	agttgacact	ttggtacatt
125101	ttttgatccc	catgttttaac	atggactttt	ttcttttgat	ttcaattttac	ctttccaagt

FIGURE 1 (continued)

125161	aaaaattatt	gatcatataa	tgataaatagg	gatttttaggt	gctttttaaat	agcatgagggc
125221	aaaatttatag	tttgtggaaa	gaaaatttaa	aaagcctatt	aatatgaatg	ctcataccac
125281	tactgggtat	taaaattgca	gaagatgtag	taatttcact	tgctgtttac	tcagcaggat
125341	cttccctaac	atgttcaa	tctagggata	ttaaaaattt	tgtttgaggg	ttcagagcaa
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125461	cacacagaag	agcacagaat	ttttttttta	cagttaaaaa	gaataccaat	agctgtttta
125521	gaacagatac	ctcacaaggg	ggatactcag	agagatctga	aagaaaatgg	gtagagaaat
125581	aatattgtac	tttagcttac	tgtcactagg	atgtgtcaga	tgactgttat	tagtggttgc
125641	cctagatctg	ttttgatctg	caagctctct	tttcctgaat	cagtaccctt	gaatcactgc
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125821	ccccatttac	tgtaggtgtc	tgtgtctcag	ctttaaacag	gtttatctta	ttactaaatt
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126121	atatattagt	agaattacta	aaggaatata	cctgctgcag	aaaacatgct	tttaaattag
126181	atgattatag	aatgaaacca	caccgatgag	aggcctgctt	tcattaataa	ccttttctct
126241	cattttacaag	attctcctga	attatttttg	aaactatgta	cccaattcat	ggacacagga
126301	taatggctgc	actctttgtg	aattcgatac	agtcgacttg	tctgcagtag	atgtaagtgg
126361	aattgattat	gtgtgaaatg	tagtaataga	aagtacattg	tcatgaaata	ctgtgattta
126421	taggaaaaaa	ggcaaattat	tttatagttt	tgattttatg	atagataatg	gggatatagt
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126541	aaaaaccagc	taataattga	acctaattgaa	agagtcctgt	ggttaataat	taaatgctta
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126661	attacaaggc	ttcagcattt	ttattgacta	attttatctg	tgctggattt	tcaaagttga
126721	tatgtaaaaa	ttaatactac	ctgattatat	aacaaacgac	tgttttaact	actttacata
126781	taataactca	tttaaacttc	acaaaactcc	taaaataggt	agtacaattg	actcagtttt
126841	acagacgaga	aaactgaggt	gcataaatgt	aagtaacgtg	tttaagggca	cacaatttta
126901	agtgttgag	ttgggatttg	aatataggga	gtctggctcc	agactactgt	atgttcttga
126961	cactgtgcata	ttttacctgt	gtgatgtgta	tattctaggc	atgttgctac	ttgtatgtat
127021	ttcatagata	gttatatttt	atcattcatg	ttttgagggt	gaacaaagag	ttgaaaaatat
127081	tcattatttaa	tctataaaaac	attttttatgt	atctttgttc	taacatcagc	cagagctgat
127141	atottacaac	aacatttttta	ttccaaaaaa	ttgctgacat	aacatggaag	attaratgta
127201	tgaagcattg	attctaggga	gttttgtcat	taagactgat	tttttctctc	attcactgta
127261	agttcattga	gtatctacag	cagccagaaa	cgtagaagca	atataggcaa	aaataaagct
127321	cttaggaata	tagtactact	aactcctgaa	cccatgcaaa	tgcaaaaatac	ttttactgta
127381	atatgttcaa	gtcctctgaat	taaatagttt	ctattcttat	cattgtctga	aaggagtata
127441	aagagtaact	tgtgtacatg	taggagctta	tgaatagagc	cctattttac	ttgaaagtta
127501	ggtttttggc	cagtctctca	gatagcaaac	tgtttcctat	ctgcaaagaa	tgccagaata
127561	ttcttgaaatg	aagctgcacg	atgaagatgt	ttaaaaattt	atcctgatct	ttttttgcgg
127621	aaagttagtgt	tgtcttctgg	aggcgagttt	aatacttttt	atctgtttcg	tttctttttg
127681	tataaaacttt	ctgggtgcaaa	gatagaaaaa	tattttatatt	aacatttttt	ctttttgcac
127741	gtaggagtat	gtaatttaat	acttaagctg	ttttgtctta	cagcttggtta	aaatgtgata
127801	gaaaggaaaa	ctattcattc	cattatgcac	aataaaaatta	cgtgctatat	acagctgttt
127861	ttcaataggg	atataaaaaa	taaaattgtg	taggtagtta	aatcccaagc	ctattcataat
127921	gttagatgtg	ggccataggg	aagttctctt	atatgtaaaag	tcatagtgat	catctcagaa
127981	tgttggttagg	aatgttaaat	gaaattttac	ccacatacat	atatgaatat	acataacaaa
128041	tatataaaatg	atattctatc	tgtataaaat	taataatacat	acacaaagtg	gtcagtattt
128101	aataaaatgtt	aactgttata	atgtgttgtt	tatataaaac	tgaacttagg	tttaataatg
128161	tgatgttagtg	gattgaaaac	cagcaacttta	ccctcaaaata	tatgtgtctt	gggttaactta
128221	aattttctcta	aatctcattt	tcctcatgtg	catattttgg	aaaataaccc	ctaaggcttt
128281	tatgtaaaat	aaatgaaacg	catcatctca	tttgataaaag	gagagttgtg	acctactttt
128341	aaaattattt	ttcctattta	attgagaact	actggagagt	agatattttg	tgttctttgt
128401	atttggtttat	tcattttaata	ataaaatatt	gggcaagtga	atgaatagat	gaagaaatat
128461	gatagtgtac	aagggtgact	tttatgtgag	catatgttat	tatacagata	atggagtaat
128521	gtgtgaggtta	ccgtggtatga	aaaaatggaa	gaaggttgc	aattcagcac	ttaatgtata
128581	aggtattttta	aaatatctgt	aattctcttg	ttcagacttt	aagacatggc	tttagtaaga

FIGURE 1 (continued)

128641 cattataaac aagtcttcca tagatttctg gtcacgacac tggtacatgg gtgtttactt  
128701 atgttccctgt cttcccccac tacttgtaag tctttcaagc caggaacttt cttccctttt  
128761 gccaaatatt gcccatcttg tggattggaa tgtataatgg ctatttcaga attgtttgtg  
128821 caattaatga aggataaact ccacacccaa acatatctaa agagaactta agaaaatata  
128881 ttaaaatata tacattaaga taagatatat taacattaat gaaagaaaat agctctcctt  
128941 atacataata taataatgaa aggaaataaa aggataaagt ctcagggtct ccatgattgc  
129001 tttttatgtg ctcaaaatta agccctgaac ttttagccga ggaaacaaaa agagaaacac  
129061 aattagattt tggtttctta gacgaaactt tcaaaatagc tttcagatgt gaagaagttt  
129121 ctgcaagggc ttttttaag gaageaetga etagtatgtt aggcagtacc atgaattaca  
129181 ttcattgtaat aaataggata atttcatctt taaacctaac tcataacca gatgggattc  
129241 agtaaaatca ctttgattgg gggggccaca aaaatttgtt tcaagtgtta gagaactgcc  
129301 atggagcaat tcaaatttag cagattatgt tgaattgata tttctagtatt ttttatgtca  
129361 tgctgattaa catttgataa aaatttaaaa caaaaccata ctaatgataa ttttattttt  
129421 atgtttggtg taaaacaaag gtccatccaa acgtatcaat aggtgttttt attgagcaac  
129481 caaccctttt tctacctcgg tttctggaca tattgttgac actggattac ccaaaagaag  
129541 cacttaaact ttttattcat aacaaagtaa gtatttgaga aatgaatatt ttatgtcaaa  
129601 actatttttg gtcttttttg gaactatttg ttatttatgt caaataaaat tcattgggtt  
129661 aagttcagtg gaggattttt ggagtaatta cagccctgcc tttttaggac ctaaggattt  
129721 tagattctag agactagcac cacaatattg atatgagcca catgaaactg ccagtttctg  
129781 tagatcaaaa atggctgaat attagccatc atcatatagc ttaaatattt atataattcaa  
129841 ggagattcaa agggccttaa atccctttgc ctttgggtta gttctggtac tttcttctat  
129901 agaattggtc attaaattgt ttgtgattta agacaataac atataagaac ttgaaacagt  
129961 ttccagatag agtactgttt tgattaatta cacaagggca tgccattccc caaaggattt  
130021 tgatactgtc attttcttca aaaatattca gagcccccta catacctcct acatattatc  
130081 caaacttgaa aatatttttc ctcagttatt ttacagttat ttcttgtcta ctaaaaccac  
130141 tggattttaa cattgtctag aaaaactcaa tagctgtgaa gtgtgcgatt ttctctcttc  
130201 tgccttaata ctgtttgttt accattgttc ctttttctta atgtaaatgt cagctaacca  
130261 ttcacattgt ccagagaata ttttaactgc agaaaactag cttaaatgga tttaaaatgg  
130321 tgaaaaattg agcatttgct ttgtaaaata tgttgaata tatatacttt cactaaaagta  
130381 ttttgttttt atgtattgtc ttttgtttat attttccctg ctttcatggg gcoctaaaaat  
130441 ccttgatggc ggacgttttt gtcttatctt tggttattta gtattaactc tatgttgctt  
130501 ttatgtgata agttatttta aaaatctgca aaaagcaaca gcttttcaga aaacttagag  
130561 acttgacaaa taaaaatctc tgaaatgctc taatgatgga gacagataat cttacctgaa  
130621 ttttagcaca gtcgaatcac actaaaattg gtaaccttta tggtagtggt tttcccatia  
130681 atctgtccat agaattttgt taaatttttc ctttttttgt taagtaaaat ttttttatat  
130741 atgaccattt attttactct ctggtttcaa agggattttt gtaaaatgtg attattttaag  
130801 tttataactc agattgatgg ctattatgct tagtagacat tttttctaga tttttcaca  
130861 catatatcta agatttctag gctacaggcc gtgtttttct tctccagttg gaaacatttt  
130921 atattactaa ggattttaagt atttatgcaa acacctatta aagattttaag tttttatata  
130981 aagacttgct tagcagtaga tattgacaga attttgaagc atcttctctt taagaatatt  
131041 gatatatatg tatttaagat tattcatgtg acatttaagt gatattttaa tataccgtgt  
131101 ttaatatggg tattatttta tatgttaatt aatatctgaa ttgtagaatt catgacottg  
131161 aatgtgaagc actctctaat atgaatactt cagtcactct attgtcttat tctctaattt  
131221 ttgattttta aaatatgtta caggaagttt atcatgaaaa ggacatcaag gtattttttg  
131281 ataaagctaa gcatgaaatc aaaactataa aaatagtagg accagaagaa aatctaaatc  
131341 aagcggaagc cagaaacatg ggaatgtatg ttttaataaa ttaaaattaa attaaattat  
131401 tttactaaag aaacgttaag aaaaaatasa cttttaaatt aaaaattgta tgcctaaatt  
131461 ggggtgtctc aactatttgt ttgogtatgc agtagccaa ctagactgtg tttatgtttg  
131521 tacgtattta tacataaagg gctgtagaag ttacttatgt ttttttttta atggctaaag  
131581 gtccacatat ttaatcaaat gatgaatcaa ggttaagatc atttttttta aatgagata  
131641 aatgaatagt atgactttca tagcagtgac ttaaaattta atgtacactc tgaagggttg  
131701 gtgtggtaaa agtgtgttta ttttagactgt gggggaaaca ggtgctctta ctctccagtt  
131761 agtcaactgag ctagataata ctgtaatccc aagaaacggg cattgtaggc cttttgttta  
131821 gccctgttaa tgcctcatcc tactaataaa actctagtaa tagtaaaaaa aatcgtgtat  
131881 tcaatgaata ttaattgaat atgccaggaa ctgtgttaag agtaggtgat aaaaagggtg  
131941 agacatgac cattctcatc aggaataaat cttatctact acgaacctc atgacctgtg  
132001 tgcagaagct gaggtcccag agggatggat tctgactaga ttaggggtct agggatagac  
132061 agaaaagagg cctctgaaaa abcaaacatga tgttattact aatgattcca taattttatc

FIGURE 1 (continued)

132121	attggagaat	cctctgggtc	cacattcaga	acatatatttc	tttaatatatt	ttcatgattg
132181	tacctagtgc	ttctgtctgg	tattttgttt	gatagttgct	tcgaacaaat	atgggtgtga
132241	gacacacact	tgataaccca	aaaagtgcct	actgggaccg	acagtgcagg	aggggagccc
132301	agagggaagt	tgataaccca	aatgtcatct	ggatctctcca	gttggttcatt	ccttgatatt
132361	gctgatgata	atgttacaaa	ctgtaccagg	gaaagcaaac	atagtcactg	cccctggtaa
132421	gaaggcaggg	gaataactat	cttagaaaa	ttgatgaaaa	tcaagtttgt	aaaatatata
132481	tacctgaaaa	gtcatatact	tacatctcca	acattcattt	aaaactgagt	tgtgggatat
132541	gtaagttgca	tttgtgtgca	tgtgtatgta	tgtatgtatg	tatgcagaaa	cattttgatt
132601	tgtggatggt	ttatgeetta	aaatattttac	tggcttgaaa	atatattttta	actggcttaa
132661	aatttttagag	gtgagctccc	tgtgaatata	cgtgttaaat	tgaccatttt	gaaatttaag
132721	acaatatata	tatcgtttca	gatattgttc	cactattttg	atcagaaaag	tatgctagag
132781	aaccataattt	tacataaaa	aatatatata	ttacattttt	tcagtcagca	gatattttatt
132841	ttatgtcatg	cccatttcat	tttctttttc	actggttagg	acttttgccg	tcaggatgaa
132901	aagtgtgatt	attactttag	tgtggatgca	gatgttgttt	tgacaaatcc	aaggacttta
132961	aaaattttga	ttgaacaaaa	caggtaacttt	ctaaaattcg	atatcaattt	attgttaaaa
133021	tgattattttt	tcataattgat	gtgaacatac	tgtagtaatt	gtgtatttag	taaattgagg
133081	gaacttaggt	atgttctaca	gctaataaac	tttcaattca	agttaattat	ttttcattta
133141	aaggagtcac	agaaaacaac	ctgaatacat	ctggaattat	ttaatattag	ttataatcac
133201	aaatacagtt	acttgcccca	tttttctggt	taaagctagg	tgaaattatg	atcacatctga
133261	tactaaaatt	tagagttggt	ttattctcta	tagatatttt	taaagtagaa	tttcacaaaa
133321	cttctgacca	agatagttat	tgcatcacaga	gttgtagtcc	ttagtagcag	aaggaaatttt
133381	cagaggtaca	aatcatocca	cagtcatatg	tgtagcttta	tttactgttg	aactagttat
133441	cacttcacag	tgtctgtttg	ctcattttaac	tcaattgaaa	tgggaaaaag	acaccatgta
133501	tatcagctta	caatgatact	aagtttgttt	gtcaatacta	ctgctaatac	taataatacc
133561	atttttacta	ctctgctaa	gacctcacct	ttaacaagtg	cttattaagt	gccagggtatt
133621	gttgtaagta	catgtattaa	cacaattatt	tctcataata	aatagaatgt	ttagcgggtg
133681	aaatgttaga	atgattgttt	ttattttgtt	aagtaagata	catgggaaat	gtagtatgct
133741	ttattaaccc	accctatata	taatatctat	ctatataat	atatcactag	aatttgtaaa
133801	tttgagaatt	tagttctttac	ttcaaaaatc	taagacctct	ctgtagcaac	ctgtatatac
133861	agcccaactg	tatagctgtg	ttatagatac	tcagtatcta	agttaaactat	ctatatacat
133921	cgtaggtaat	tttccaaagc	atatgaatga	ggttttgata	atttggcaag	gaaaagcagt
133981	tgtgacaccc	tagagatatg	aaatagtgtg	tgatttgtaa	ctcttaaaac	ctagtttaat
134041	tcagtactat	tttcttgaat	ttgcattgtt	ttctcttaat	ttgattgaaa	tgctatagtg
134101	tgtaatgcc	atatgctttt	taataattag	atattttcat	tttatgacta	taatttatat
134161	atttattaat	tattctctta	gtgaactatt	taatgaattt	acactatgta	tttgacatat
134221	atccctctta	atattaaaca	ttttaaatct	tctaaaagaa	aaaaaattcc	cggccgggtg
134281	tggtggctca	cgccgtgaat	cccagcactt	tgggaggcca	aggtgggtgg	atcacgaggt
134341	caggagatcg	agatcatcct	ggctaacaca	gtgaaacgcc	atctctacta	aaaatacaaa
134401	aaatttagccg	ggcgtggtag	cgggcacctg	tagtcccagc	tactcgggaa	ctgtaggcag
134461	gagaatgggt	tgaaccccag	aggtggagct	ggcagtgagc	caagattgog	ccactggact
134521	ctagccctgg	cgacacagcg	agactccgtc	tcaaaaaaaa	aaaaaaaaaa	aaaagaaaaa
134581	gacttacctg	ccatctgggg	cccttgcccc	ttaaagagta	aaactcaggc	tgtgtctcca
134641	tggaattctg	ttagtttaac	aaaggtttag	gtttatgtaa	tacctatggt	tcttgcttct
134701	gtatctagac	atgtgggttc	tatagcttat	tgacatatgc	caggaatggt	gcaagattta
134761	gtagattgga	ctgaagagta	gagaaagaga	tttgacacat	cttgggcatg	tggtctctta
134821	cttctctcat	agctctcttt	tttctctctt	tctctctctt	tctatttgct	ctcttgctct
134881	aaatttttact	ctttaaattg	tataataata	tgaatcattc	ctcagctgoc	atctctacat
134941	ttttattcac	aaaaacattg	aggtatacag	cagatgaatt	ttgggtttcc	aaatttggtg
135001	gttttaaacct	tttcaggagg	cagctgggat	tataaaattc	aagttctttt	taaaattaaat
135061	gtttgataat	catatttgaat	tattttcccaa	attaatgtat	gtagatttta	attctatgta
135121	ttattttccag	tattgttaggt	atttcaaaa	aaacaaaaaa	tgtgtttctg	atttaattagt
135181	tagtaggaat	toggaaagaat	aaacccaaa	ttattatttt	gcattgatgtg	tattctatttt
135241	tattttattta	tttttttgag	atggagttct	gctctgtctg	ccaggttgga	gtgcagtggt
135301	atgatcttgg	ctcactgcaa	cctccgcttc	ccgggttcaa	ggattctctc	tgtgtcagcc
135361	tcttgattag	ctgggattat	aggtgctgtc	cacctgccc	ggctaacttt	tttgggtatt
135421	attagttag	atgggatttc	acctgtttg	tcaggctggg	ctcaaaactcc	cactcttggt
135481	atccgcgcgc	ctcggcttcc	caaatgtctg	ggattacagg	catgagccac	tgcgcgggtg
135541	cagatgtgtg	tttatttatt	tcaattttgt	gcattgtaata	gaaagggccc	ggctgggtct

FIGURE 1 (continued)

135601	cacaagatag	aggtgaaata	ggttttcttt	tttcatataa	agaatagttg	ttccataaat
135661	ttgcttttcta	aaatagttta	aggaaagttc	agtgttgcca	ggactagctt	actgtaatca
135721	caagtcattt	tttaaagtca	tggaaaactg	gaaacatact	taagtaattt	gagacttaat
135781	tacaggaaa	ctttgctgt	ttacaaacat	ctcagttcat	cttcattcat	tttttacaaa
135841	ttcaacaaat	attcattgaa	tatcttaaat	gcaccagggg	ctgttggttca	cccagtgaca
135901	atgaaaatat	ttggtttcat	ttaatatagg	ttccgaaata	ctttagttta	acttaaatat
135961	aattaaataa	ctaaagtagt	ttccctctgt	tggatgtaag	caaggcattt	ttaaaagtca
136021	tttttatgta	ttcatttagca	ttttcaatta	ctttttcctt	ctttgttact	ctttttaaga
136081	aatatgattg	aaaatttagca	atatacttac	ttaagaaaag	atgttgggaa	agaagatcct
136141	tatttttatt	ttattaacta	caggtttgtt	gaatgagctt	tcttgtgtta	tatgtcatat
136201	taagcccaaa	atacataatt	ctgtggtaat	ttaaaaataa	ataattatat	aggtttctct
136261	ctctcacaca	cactctctct	gtcttttagaa	agatcattgc	tctcttctga	actcgtcatg
136321	gaaagctgtg	gtccaatttc	tggggagcat	tgagtcctga	tggatactat	gcacgatctg
136381	aagattatgt	ggatattgtt	caagggaata	gagtgttaagt	tacttggttt	aatatttttaa
136441	tgtgaaatac	cataatctaa	agatgtagtc	ttgttagtat	tacttgaaat	tttttttgca
136501	ttcatctctt	ttcttttatag	ttaatgggaa	tttgagaacc	caagaccact	tgggaatcctg
136561	aaatactagt	ataaaactaa	tatcttaaaa	aaatgttttt	aaagtcccaa	atcttcaaag
136621	gaacaagctc	attgctgtgg	ggaatactaa	gagataatat	atgtttacca	tactcacatt
136681	atggttgata	gaagagtaat	actctttatt	taaaagcttg	gaaaggggat	ttagtttact
136741	aactttttta	tggttataat	taagggttgt	tttgataggt	tttaaaattt	ataattaagc
136801	caacagtaac	actaacagcc	agaacattcc	agtattcctg	attgcatgag	tttttttggtg
136861	tgaatatagc	attattctgc	tttaaatata	agtttttttt	accaatatta	gatttttact
136921	tctagagatt	gaaaagaata	tatttgctga	aaagtgtgtg	catgatttat	atatttttca
136981	gagacaatgg	ttgattacta	aaaataatca	caattgaaat	agttttgcta	aggtaatat
137041	ggagaagaat	gtcattcttt	ttttcatata	tatgatggac	cagagtgtac	aagacattac
137101	atgcttttgc	ttagttctca	aacatgtcag	cctgattaaa	aaggggcagt	atactctcag
137161	gactaaaagg	atgtgccctt	acatttagaa	aaaaaaaggc	acacgtttct	gttcaaacag
137221	ttgagtggta	aaaagatgtg	ttgcttgtgg	aaatagtaat	tgggtgtggaa	agcttcaatc
137281	tgaatgatgt	aaatacaata	aaggtttttg	ttagctgcaa	ttaaaatgca	cagtggagga
137341	gaaaagacta	ttaagatcgt	attctgttgt	ttctgtgcag	ttgtattgac	tctgggtgag
137401	ttgtatagac	aataatacctg	attgtatctt	tgggcacatc	acaaatgagg	gtttgtgaaa
137461	gtagaatgga	aaatttgttt	caagttgctt	taggcatttg	tgattttctg	tccaacctcc
137521	tgtcattctt	gtctaaagtta	taaggaaaaa	aatatggcag	aagcttttga	tctggaatac
137581	acttcatgtc	caaaagctac	acgaaggagc	aactgtgtgt	gtgtgtgtat	gtgtgtgtgt
137641	ataagttgaa	acactgaata	attcccaga	gattaatttc	tgaatttagc	tgacacgttg
137701	tatacagtaa	ttccccctta	tctatggttt	tgctttccat	ggtttcaagt	ctactgtgga
137761	ttgaaaatac	gaagatatgt	tgagatagag	aaagtgtaaa	cattcatgta	acttttatta
137821	cagcatattg	ttatagttgt	tctattattg	ttgttagtct	tactgtactt	tatgtataaa
137881	ttaaaacttta	ttataagtat	atatgtgtag	gaaaaaacgt	agtgtatgtg	tagcgtttgt
137941	tactatctgc	tttcaagcat	ccactggggg	catggaaatgt	atcaacctca	cataaggcgg
138001	ggactgtgtg	actccttaag	gcatttttct	ttgaggctag	tctagtaaga	cataatatca
138061	tattttcogtt	aatatctaac	tgcatttctt	ggccaagatc	ttgccttgat	gttctctaaa
138121	agaaaaggcgc	acagtcttag	gggcaaaact	tgttttgcag	tttttatgaa	atcagtcattg
138181	ttcagagtga	gaatatagat	gtgggaaagg	atgcaacgtt	catgtgtctc	cagctgtatt
138241	tcttcattgt	ttcccttttc	tataaaaatat	ttaaagatgg	ttaatgaatg	gtaagagaat
138301	ataatttttg	agaatttttag	gttatattca	gtggtattct	ggtaaatgtg	taccaaattg
138361	ctttttggagg	tgaggatttc	cctgatctta	agtgccttgc	catgtgtttg	gtgttaaatc
138421	ttttaccatg	gttgatttca	agtctccaat	gtgaaattac	tgaaacatga	cttggcagaa
138481	aaagtttaact	ttgggggagcc	agtatgagct	gggtctagt	caaccaatgg	tgtatgttat
138541	gattcatgct	atcaaaattct	ttaaattttta	atagaaaacac	gtctatatca	atagatttat
138601	atagtctaat	tgttaacaaat	gatttgagata	tgatagctat	aatacaaatg	ccaaaacagat
138661	accaaacccaa	aattgaaatg	tatccaaagg	ggcagtgggt	tatctctctaa	atcttattaa
138721	atatagtgtta	tacaattgtaa	totttatatat	atatcatgtg	atatattttgt	atgttgattc
138781	aataattttat	gtatacaaaaa	totaaaacaca	aagcatttat	tttaaaaaagg	taaaaaatgaa
138841	acttaaaaatt	gtttgtattt	gtgggtatata	agaatgtctt	ctcttttactt	tcagaggagt
138901	atggaaatgtc	ccatatatgg	ctaattgtgt	cttaattaaa	ggaaagacac	tccgatcaga
138961	gatgaatgaa	aggaactatt	ttgttcgtga	taaaactggat	cctgatattgg	ctctctggcg
139021	aaatgctaga	gaaatggtaa	gatattgagc	gatggcttgc	ttgaatgttc	ttataaagat

FIGURE 1 (continued)



139081	gcttgcttta	ccagttgggtg	tgtcactgtg	ttttgatgcc	ctttgtcttg	ctaatttgta
139141	agtactagcc	aatttttttg	gttctgtgtt	aaaaaatttg	ggagtaattt	tggagataat
139201	ttaacattta	cttatagaaa	tggatgaaa	aatgttagtt	tttgtgctcg	ggctaattca
139261	taggcaaccg	agttggattt	cagtaataaa	gatgtatttg	ttacaaatca	gctttgctct
139321	tttaagaata	catctttaat	ttgaaattct	atagtgaata	cttgacctaa	ttaaaattaa
139381	ttagataagc	ttcgatgaaa	caatatttcc	agatttaaga	atatttttgt	tctaaaatta
139441	atgtccacat	tttctctaac	taggtaaaat	tttaaaatta	ttattaactt	cacattctta
139501	gaaagcagga	ttattaccac	caaactagta	gaagtgttga	gatacatagt	gtatttactc
139561	taaataaaat	actaatgata	ccttgctgca	ctacaaatgt	acttttatta	taaaacttaa
139621	aatgactaga	aaataatttt	tcaaaatgca	taaacatggc	ttagaatata	ttgatatgat
139681	ttttggtttt	agaaatgatg	gggctatttt	atttccgatt	tccaaattta	tataagcaat
139741	tgtgatttga	tgaaaagtca	gaaaagtgtg	caagtatttt	tttcttagtt	taacaaagca
139801	tgtattgttt	gaatatgttt	gttttctcta	caaacctgtg	tgcattatta	ttgaatatcc
139861	tcagtacttg	tgatagtatt	ttgtgctcat	gtttggctaa	tttgactcaa	cagcgcatca
139921	tggaatggcc	tctcttactc	attttttccg	ttgtcttatg	tgtctaataa	aagttctgct
139981	aaggaaatgag	cttagactta	tgtttgacct	caccacacct	cccaaaaaaga	aaagaaaaga
140041	agggctgaaa	gagctggaga	tgtttctttg	tgtgtgctat	aagctttgct	tgttctgcat
140101	gttgtctatg	aaggacattt	cagaatgtta	gcttttgatc	aacagctgct	attattttta
140161	tttaccaaaag	aatacctgag	agagcgggtg	tacaggctaa	cttacccaat	gcttctcttc
140221	atttttagact	ttacaaaggg	aaaaagactc	ccctactccg	gaaacattcc	aatgctcag
140281	ccccccaaag	gtgttatttt	tacttatttt	atttattttt	gtttatttaa	tatttgataa
140341	agtatattgc	ctagtatgaa	agttttctta	agggccttat	ttgcatttag	cttggtaaaa
140401	tgttgatttt	catcagctat	ctgtgtgttt	gcgtgttttg	tgtgacttgg	gctagggctc
140461	tgtgtgatag	tcaactcttg	gttctttgag	ctgatttata	ttttatggct	gacaggtgac
140521	aaagttaaac	ctaagtcctt	ttcattcttt	ttttagggtt	ttatttcttt	ttaaagggag
140581	agaagagggg	agaagtaggt	ataaaataga	atttgattac	agtaagggtt	aggtgcacct
140641	tattgagtta	ttaatcacta	actcttttac	tattaaaaaca	ggtccaaaaa	gaaacacatt
140701	acctagtggg	gtttgccaca	tttgtctggt	ttggggcaag	aatatgagac	tgggtttctt
140761	tatctgcctt	tataatgtat	gactcatttg	cgtgttagcc	tttaaacatt	agaaaaagaa
140821	aggaatgaaa	cagactgggtg	aaatataact	ggcagtgaat	tcttgattaa	aatgtgtatg
140881	ctttctttga	aagagaaaaga	agccaaaaaga	ggtataattc	attgcactgt	gtctcaaaaa
140941	tatttctgct	ttcaaacagg	aattttttcc	ccgatgtcta	catctaggat	caatgagaaa
141001	gggacaaaaa	cagtcacattc	ttcttttttt	cagttgagtg	tcagtgtctat	ctactagttt
141061	tgtgtgggtg	ctgaattcat	aatcaaaatt	tgagtttttt	attttaaact	atgcacattt
141121	tatatgaata	ctaaaaatgc	atgttcataa	atgaaatata	aagatagaaa	ttaatatctt
141181	ctatatattt	ttcctatgat	taaattttact	tttgtacctc	cctctaagat	taatactgtt
141241	attttctggc	atataggggtg	tatttatgta	catttctaatt	agacatgaat	tgggaagggt
141301	atttatccact	gctaattaca	atacttccca	ttataacaat	gacctctggc	agatttttga
141361	aaatcctgtg	gtatgtattt	catactcaac	tttattattt	ttctataact	gtaagtggtt
141421	ataaatcagt	tggttaataa	tatgaaatgt	gggttagagg	tttttaaaat	gacataaggt
141481	gaaatgcaca	tcaaaaaccac	aatgagatag	tgtctcacac	cagtcacaaat	ggctatttatt
141541	aaaaagtcaa	aaacaacaga	tatgggtgag	gctacggaga	aaaggggaatg	cttgtaaggt
141601	gttggtcgga	atgaatttgg	aaagcagttt	gaagatttct	caaagatctt	aaaaacagagc
141661	taccatttga	ccagcaattt	ccattactgg	gtatatagcc	aaaagaaagt	aagtcatttg
141721	acaaaaaaca	cacatgaacc	tgtatctgtt	cgttgcaagca	ctattcacaag	tagcaaaagac
141781	atggaacttaa	actaggtgtt	catttaattgt	ggattggata	aaagaaaatgt	gttacataca
141841	caccatagaa	tactatacag	ccataaaaaa	gaacaatatt	atgtcatttt	cagcaaacatg
141901	gagagaactg	gaggcattta	ccctaagtga	attaattggca	cagaaaaaca	aatactgtat
141961	gtttctcact	atgagtggga	gctaaacatt	gggtacttgt	gaacataaat	ataggaaatg
142021	tagaccctgg	ggatcactag	aggagtggag	gagtagggag	ggggacaaag	gttgaaaaaa
142081	caactaatgg	gtactgtgct	cactaccttg	gtgatgggat	cagtcataac	ctaaaactta
142141	gcacatgca	ttatacactt	gtaacaaacc	tgcacatata	ctccctgaat	ccaaaagctg
142201	aaattgtttt	taaaaaagtaa	ataaaaaagaa	aaaaattaaa	acgacataat	taattgtatt
142261	tcacatgata	tagagtagat	ctaaaacttga	ccaataactt	gtttttatta	agacacttat
142321	tagctttggg	gaagggaatt	atcaatttgt	tctctttcaa	tattctatta	ttttgttttt
142381	gtgtattcaa	aagcaccatc	cagttttaat	cacaatttta	gaaacatgtt	tacaaatagt
142441	tcacatatta	taatatgttg	attttctaga	agaaaaattca	aaaagttttg	tttaggaaaa
142501	tacatttttt	aaaattattt	tttgacaatt	ttgtgaatgt	acatcaaaaga	tagccagaga

FIGURE 1 (continued)

142561	gaattgcaga	gaaagctgat	tgattcagca	tatggagtct	taacttgaag	aaacaatttc
142621	cttttaaaat	ctgttttctt	cttctttttt	tttttttttt	ttttacagat	ttgagtggta
142681	cagtaattag	ctccttttgt	gttttacagg	gacatctttt	tgtagggcaa	gtggcacact
142741	tattcaaggg	aaaatgctgt	cttcaacaat	caaacctgta	acactgctgt	aatgattttc
142801	cccttgccaa	tagtaaaagt	tttaaattgc	agactcaatc	cacctgatga	gaattgtcct
142861	ttattttgta	ggaatagttg	agatattggg	atagtaaatg	tagtagtctc	tgaataattc
142921	gaataggaaa	atattatctt	ttgacatttt	gttattttta	aagtactttt	tgtccatttt
142981	aaccacatac	cttctctctt	cacagaaata	aagctgaaaa	gaggtgtttt	ctagtcgtga
143041	gggtagaatt	ccatattttca	cttcaccatt	gaatctcttg	gtgtcttgag	ggatagaatt
143101	atttgatttc	ttgggtgaca	ttaggttcct	ggcagatat	cctgaattat	atcctgaatt
143161	gtagatattt	gtgtaagaat	tcaagtcttt	ggaaagtaag	caatgaaaat	atcagaactg
143221	agtaggaaca	agttttcttt	ccatggcttt	ctttgttaaa	gcagcctgat	taatatgcct
143281	agttagggat	accccatagc	aaaatgctta	ttgattatcc	cattatcaga	atttcttaaga
143341	aattaataaa	gtcacagttt	gctcaatgat	ttgaaagggtg	atctaaaatg	aatgtggaat
143401	actaatgccc	taaaataaaa	tcttagggga	tttttttttt	tactttaact	tgaagaaaaa
143461	tcagtattga	tgacacaggaa	aaatgctata	ggtaaaaagt	cttaaatctt	atggatgatt
143521	attcaatttc	ttgccacatt	ttagaatcag	aaagctaatt	aatattagag	ggaataatga
143581	gataatatag	aaatctgac	catatatact	atataaacat	gaaatttatt	aaaattttga
143641	agataccttt	gtttcctcca	cataaaaaat	gtttgagtta	catataaaca	gatatgcaaa
143701	accagtgaac	taaattatgg	tataaatatt	cagcccttaa	aatctagcct	caaaagatgt
143761	atttaaggca	aatatctttt	aaaacatctt	ttgattggaa	ttattttgag	tctgtgtctc
143821	acttctctcc	tgctggctct	ctgtatttgc	actttgtaaa	gagaaaaatta	ataattttcta
143881	gaaatattct	aaatttcaga	agatatcttt	ttggatattt	atattactcc	atgtattaat
143941	aatatttttag	taaatatcca	tatttgaata	aagaacttgt	cccaataaaa	taattcttta
144001	gcttttgttg	aaaaaagtgt	agatatcttt	gtgtgtggat	tttatgccag	agattggtca
144061	aaaagaatca	aattcatgga	ttagaataaaa	gagaaaccat	tttttaatat	agagccctaa
144121	cccttaattt	tagtaactga	aagaagtgca	agtgtctagta	aactcatgat	tattccttga
144181	taaatattaa	taactgaagt	gaaggcagaa	attttaaaaa	ctcattttaa	aatcaaat
144241	tagagtaatt	tactatagac	atataagaca	gaccctagtt	aattagttca	ctaattcatt
144301	tttacaataa	cttgttggta	gaattttgct	ccttgtcttt	tacctttaag	cacaccttta
144361	tttacctact	ctgtgtatat	attaaaatac	tgatgggtccc	caacttacgg	tggctttact
144421	taggaatttt	cagctttatg	ttggatttat	cggggtagctg	tgtgttttta	acctcccacg
144481	ggttttattg	gacataaccc	catcgtgagt	caaggagcat	ctgtaaaatg	tgtaaatcta
144541	ttcactgtaa	gattacttaa	gttttaaaat	cctgaggtac	aatatttcat	aaataaaaaa
144601	tttgtatttc	atagaatgac	ataagcatat	tcagaaccag	gcaaagatta	ggctatatat
144661	tgtgatttct	gaaaattact	attttgtcca	ctatacataa	tcattttata	gttgaataat
144721	ttctaaaatg	catatgcttt	atacttttca	gtgaagtatt	tataaagata	tttgttttaa
144781	tatgtacttc	tttttatagg	actggaagga	aaagtatata	aaccgtgatt	attcaaagat
144841	tttcaactgaa	aatatagttg	aacaggtttg	tattaatgat	tacaaaagta	agaaaatttt
144901	gotgttattt	tcagaagaa	atattatttaa	tactactttc	acagaagatg	tgaaggtgga
144961	gaaactacct	tttaggtaaa	atttatttga	ttcaattact	gattaaatag	cattaaggaa
145021	catacagttg	taaaatgtag	aacatagaaa	ttaacatttt	aaaagcatgc	ctttttaaaa
145081	agcatgctcc	tatgtgtcat	agctttctga	aacctactaa	aatagaaact	gttgacagat
145141	ctctgatgta	gaactcttgc	agtgaagact	tatctttgga	agaaactggg	ctgtctttct
145201	ggaagagtct	tttctcagag	acatctttga	aacatgaatt	ctcttttagc	ttagtgttca
145261	aaactattgt	taataacctaa	tttttgagaa	tgtgaagtgt	catcaattct	gaggtgacac
145321	attattttatg	taccatgaga	aaaaaaaatac	tgtcaataaa	ccatgacaga	aaactatgtt
145381	tcctagtcac	acaggatttt	ttattttaca	catatttaaaa	taactatttt	agactattaa
145441	gacacagaag	ttattatgct	ttctaacgat	gatgcataat	ttatagccct	gtccagatgt
145501	cttttggttc	cccatatttt	ctgaaaaagc	ctgtgatgaa	ttggtagaag	aaatggaaca
145561	ttacggcaaa	tggtctgggg	gaaaaacatca	tgtgaagtgt	aatttcacac	taagaaactaa
145621	aatgtatgtg	ggggttaagt	agatactcag	agaatttcgga	ggggttatat	actttttctc
145681	atatgtctct	gagttctaga	cttagataaaa	ttggctagcc	aaggctctga	tttcagctca
145741	cttctccac	caaccaattt	ttttaacact	taagtaattt	cattagtttg	ggcgggttct
145801	tcatttatgc	atgtaattac	actggatgtt	ccctaagggt	cgatgtcctc	aggccagagt
145861	ttgttaggta	acacatgtct	ttacagagtg	atgtcactct	tttccaaaggc	cactttttat
145921	tccttgogtt	ttcacagtga	gotgtgggtga	aaattctaaag	gcaaatgtta	tctgggtctg
145981	aaaaactgtt	ttgtgtgtaa	agataggaaag	gagggatctg	agtgccttag	gtgtaattca

FIGURE 1 (continued)

146041	gttttgcatt	tgcattcagt	gtcaaagact	tggcaggaaa	tactactgcc	agtggttaga
146101	tgtgtttctt	tcctctcgag	aacagacatg	ccatttttagc	agaatactct	ggaatattac
146161	tgcctctgca	cggttatgtc	ccccaggtaa	tgagctgata	agggagaggg	aagcttaaaag
146221	tataaggaag	aacttaagtt	agtgggtgat	gaaataatga	aaagcaatca	ttcaaaaact
146281	tttgagtgtt	acaaatagaa	gtgaggaagg	gcggggaaaag	cttgttttta	gtgtttggta
146341	atacagacag	cagatatgct	aagtgtatgc	tcataagca	gctgagactg	cctaagggtt
146401	cactgtaaaa	aaagactcat	ttttaagaaa	ggatgtgagg	gcttaggaag	tcaattttat
146461	ttactttata	gctaaacttc	acatatatat	ttaagaagta	ggaaaggagt	ctactgacct
146521	tacattactt	tgtttcgtca	ttgtatcatt	gacaaagctg	ttacctaaagt	tattttgata
146581	attttacagt	taaagcagat	gatataccac	attggaacaa	ctgttatttt	tattgtctat
146641	tatgatctgt	ggttgaaaaa	aaatactata	atataaatgg	gaattgcacg	tggagtacag
146701	cttattatgt	cattaatggt	gtttctagga	tagccgtata	tctggtgggt	atgaaaatgt
146761	cccaactgat	gatatccaca	tgaagcaagt	tgatctggag	aatgtatggc	ttcattttat
146821	ccgggagttc	attgcaccag	ttacactgaa	ggtcttttga	ggctattata	cgaaggtagt
146881	tatcctctca	ccctccagc	ctattttctta	cccattttta	cacagggtgt	ctttttaatg
146941	tttttattaa	taagcaaatc	cactggctta	ctttgctttt	tcagggtatt	gcactactga
147001	atattttagt	aaaatactcc	cctgaacgac	agcgttctct	tcgtctctat	tcgtactgct
147061	ctacatttag	cataaacatt	gcacttaata	acgtgggaga	agactttcag	gtaattatga
147121	ctcttgtgtt	tttagatttt	tcaaaagaaa	tatatcatta	tgaaaaggac	tttgcttag
147181	gccttagttt	cttttttaaa	ttttgctcaa	atgacataat	ttgaattttg	ccactgggtta
147241	aatataatct	gatgtatttc	ttcattttta	cttttttagg	gaggtgggtg	caaatttcta
147301	aggtacaatt	gctctattga	gtcaccacga	aaaggctgga	gcttcatgca	tcctgggaga
147361	ctcacacatt	tgcatgaagg	acttcctgtt	aaaaatggaa	caagatacat	tgcagtgtca
147421	tttatagatc	cctaagttat	ttacttttca	ttgaattgaa	atttattttg	gatgaatgac
147481	tggcatgaac	acgtctttga	agttgtggct	gagaagatga	gaggaatatt	taaataacat
147541	caacagaaca	acttcacttt	gggccaaaaca	tttgaaaaac	tttttataaa	aaattgtttg
147601	atatttctta	atgtctgctc	tgagccttaa	aacacagatt	gaagaagaaa	agaaagaaaa
147661	aacttaata	tttatttcta	tgctttgttg	cctctgagaa	taatgacaat	ttatgaattt
147721	gtgtttcaaa	ttgataaaat	atttaggtac	aaataacaag	actaataata	ttttcttatt
147781	taaaaaaagc	atgggaagat	ttttatttat	caaaatatag	aggaaatgta	gacaaaatgg
147841	atataaatga	aaattaccat	gttgtaaaac	cttgaaaatc	agattctaac	tggatttgta
147901	tgcaactaag	tatttttctg	aacacctatg	caggtcttat	ttacagtagt	tactaaggga
147961	acacacaaaag	aattacacaa	cgttttctct	aagaaaatgg	tacaaaacac	aaccgaggag
148021	cgtatacagt	tgaaaacatt	tttgttttga	ttggaaggca	gattattttta	tattagtatt
148081	aaaaatcaaa	ccctatgttt	ctttcagatg	aatcttccaa	agtggattat	attaagcagg
148141	tattagattt	aggaaaacct	ttccatttct	taaagtatta	tcaagtgtca	agatcagcaa
148201	gtgtcttaaa	gtcaaacagg	ttttttttgt	tggtgttttt	gcttgttttc	cttttttaga
148261	aagttctaga	aaataggaaa	acgaaaaatt	tcattgagat	gagtgtgtca	tttaattatt
148321	ttttaaaaaa	ctttttaagt	acttgaattt	tatatcagga	aaacaaagt	gttgagcctt
148381	gcttcttctg	ttttgcccct	tgtctcgtct	cttattcttt	ttttgggggg	aggggtattt
148441	gcttttttat	cttctctggc	taatttccat	tttattcttc	tgagtgtcta	tgttaacctt
148501	cctctatccc	gcttataaaa	aaattctcca	acaaaaatc	ttgttgacct	gatgttttat
148561	cactctctca	agtaagggtg	aaatatcctt	attgtagcta	ctgtttttta	tgtaaagggt
148621	aaacttgaaa	agaaattctt	aatcacgggt	ccaaaaatca	ttttcttaaa	ccatgtgtta
148681	gaaaaattata	aaaaataaaa	taatttttaga	aagttttgtt	gttctattat	tgggttttat
148741	cttccaaagt	gaatacatga	tggaaattgt	tgaaagaatg	aagcttttga	tttttctatt
148801	tgtctagtag	atttaattgat	atacgaacct	attgaattat	aaatgaaatt	ataaaatttt
148861	caattcttagg	atgaactagg	atttgatcta	acttgttttc	caagttagaa	aatagaaggt
148921	aaatgttatt	caatataggt	ttatttgttt	atttaatttt	tttgggtctc	tattatgggt
148981	caggcaactgt	tcagggcacc	aaggatatgt	tgatgaagaa	gacattatag	tcaatgttag
149041	atggacttaa	aaagataagg	aagttgggtc	taactctgtt	ctctcttttg	gggacactta
149101	atacccaaaag	aaaattttcta	ctatccatca	actaggataa	ggagacattt	tagtaattgat
149161	ttgtgaattca	tgttactgta	catacaggaat	ggttttcaaa	atatgtaaca	cctgggtatga
149221	tttagatggc	aactcatogg	aacagactct	ggttataaaa	gcagatcggg	cgttctctac
149281	cagtgcgaagc	cagcttaata	tctcttgttg	tacagtcca	agacatctcc	caggtactag
149341	ttattttcca	ttttgggtat	cattgggtgg	tacttagcat	aaactattca	gtctcatggc
149401	atgttttccag	aaatgggata	caggtagctt	attgagcaca	gtttttttgt	ctttctctct
149461	atctctacatt	ccatgaaata	atataaaatg	tagctttaaa	aagatgattc	ataattactg

FIGURE 1 (continued)

149521	agagaaaatt	agaaaaattc	ccataagtag	attaaaaaat	ttgaaaaacg	gaaaacgagt
149581	agaattggaa	ggatggagaa	aaatacagct	tgaaacacac	agagcagaag	atacagaaaag
149641	tacatctatt	gtttgattca	tctcttttat	gcaatataat	aaaggctttt	taaaaaaaat
149701	acacacacac	acccatatac	ataaacaatt	atcccctgaa	taatatgggc	gttagaggca
149761	ctgatcccca	tgcagtcgaa	aatccacatg	taccttttga	ctcccctaac	acttatctat
149821	taataaccta	ctgttgactg	gaagcctcac	tgataacata	aacagctgat	gaacattttat
149881	tttatatgtt	atatgcatta	tacactgtat	tgttacaata	agctagagaa	aacgtttattt
149941	aaaaaattat	aaagaaagat	aaaatatatt	tactattcat	taagtgggaag	tggatcatca
150001	taaagggtttt	catccttggt	gtcttcgcgc	tgagttaggct	gagaagggaag	gggaagagga
150061	aggggtgtctc	aggggtggca	gagacagaaa	aaaccggcat	acacatgagc	ccgcgtagtt
150121	taagcacatg	tagtccaagg	gcttattgtg	tatctgcaac	aatcagatat	ctctgacaga
150181	tgaacctgat	aaagtcacac	tatttagagt	atgataccat	ttatgttaaa	aacaaaatac
150241	tatatatgtg	tgcataaacc	tacagaaaaa	ttcctagaga	ggaacaactc	tggagagtgg
150301	tatgagatca	cggaggagta	aataggattt	atgcctttta	cgttttacac	ttgtgttttt
150361	gaaatattat	agaaatatat	ttgtatatgt	attgtttaaa	gaaaaaaaaga	ctagaaggaa
150421	aaggagacat	tcacgtaact	aatttgaata	aatggaagca	tatggatgtc	aatagtaacc
150481	gtgtgtgtgt	gcgcgtgtgt	gtgtatgtgt	atacatatc	taccaagggtg	ctttaaatgc
150541	tcaccgtggt	agaatttttt	ctaattctta	atgcgcatag	gaatcaatat	gaatattttc
150601	cttaatatag	atacttcagt	agtcattccag	tgcatthaatc	ttcattctgc	ttcatctttg
150661	aaaacactag	taattttatct	gtatttgtaa	cttaactaag	aggtcaaata	tccttctatg
150721	gaatagaaa	gtggaaaaaca	atgaacatat	gagttgagt	gtccatcctc	gtcacagaat
150781	ctcttttctg	actcacttct	gttttctgt	ctgacatacg	tatgtcttga	tttattttgt
150841	ttttatgcc	taaagcccat	tttcatgac	atgctggtaa	cttgtcattc	atttggaaat
150901	tggaatgggt	attcaacaga	tgtcttaaa	tttcagaaga	gccagtaga	atttttagtc
150961	ataattgagt	ctgtgtaaat	aactccctct	gactagacta	gaggttaact	gttgcggaat
151021	attgaagtct	tcaagacttc	atgaaagcag	tgtatcaaac	agaactgttt	gttttgtggg
151081	cttttagaat	agcaagccac	agcattatct	aagaataatt	attaacaaaa	agccattggg
151141	aagaaaaata	gggaaatgta	taaaactttt	taatgcaatg	agttttggat	taaaatagaa
151201	gtacactaag	aaataatgag	aagagaaaat	tgtacatgta	gaaatgcttt	aaaaatgtga
151261	agtattgcat	aattacatta	ttttgataaa	ataaattaga	ctgggaatgt	aagtaaacag
151321	gctagggatt	tgtgaacttt	ataagtctta	aatctttcta	atagcattta	aaaatgtacg
151381	caacatcact	gttcattcaga	gaaatgccaa	tcaaaactac	agttagatat	tatctcacc
151441	taattagaat	gtcttatatt	caaaagacag	gcaataacaa	atgcttgaga	ggatgtggag
151501	aaaagggaac	cctccacatt	gggaccactg	ctgttgagaa	tgtaattaat	tacaaccact
151561	atggagtaca	gtttggaggt	tctcaaaaa	aactaaaaat	ggagctgcca	tatgatacag
151621	caattccagt	gcttgatata	taccagaaag	aaaaagaaat	cagtgtgccg	aagcaatatc
151681	tgcactcctg	tggtttgttg	agcactgttc	acaataggta	agatttggag	acagcctaaa
151741	tgtccatcca	cagatgtatg	gatataatct	tgttttatto	ttaatatatt	aaaatagatc
151801	aggaaacatt	catttggaaa	agtgttttca	tctctgacag	atattattga	agtgtgtgga
151861	atgtttgttt	atttaataat	tcaagagacg	atgagtttag	catgctagtc	tatcttcaat
151921	gaaatttggg	tgactcaaaa	tctgaatact	ctcttttgaa	aattagaagt	ttctgctgtg
151981	tttaacaatac	aaaaacacaaa	taattcaactg	aaagaattat	tttagaagat	ataatggatg
152041	atctctcagt	caatatggga	taacaaaaat	aggatgtaat	gtaaccatta	cattttgtaa
152101	tgttcaatga	attattctgt	gatttaattac	aaaaataatt	tgaaagacat	tttaacacgtg
152161	gttttaagt	actaaatctg	ggatctgtat	gtgaaatgac	agaataaatt	tgcattctat
152221	gaagacaaat	tatatatgat	aaagtccaat	aatgtctaa	tgagaaatg	ataaatataa
152281	tgtatgatt	ctttctgataa	tttaattgttg	gagaattgat	caattttaaa	tatgtctat
152341	tgtcaagatg	agattatctc	attttattaa	attattttctg	tttqtattta	tataattttt
152401	gtatctttaa	aatcttgcga	aatgttgaca	tcaagcttc	actttgttgt	taaaatattt
152461	agctcaaat	aaagcaaatg	caagagcttt	ataaaatcat	gtatatcaaat	tttttctaaa
152521	aggtctaaat	taaatcaaatg	ataaatattg	gattgtttta	ttcaggaatt	atttatatat
152581	tttttaagt	gatacaaatc	aaacttttaa	aaggaaagaa	tgtagacact	tattctgaaa
152641	taaggagtag	ctagcattat	tttagttaat	actgttgaag	tgatttgttt	ttgtttttta
152701	tttaatttgt	aaactgtct	tttatgttca	atagagaata	tttaacttgg	tttaataata
152761	aaataagcata	agagtagtca	gattctgacta	caactgataa	agcaattttg	ttagagttaga
152821	taaaatttact	taattttacat	aatattcaaaa	caacagctcc	ataggggtcc	atttgaataa
152881	taaaattttta	aaaatttctc	tttgttagga	aaaggtcaat	agtaattttt	ctttatttct
152941	gttagaggaac	tgttaagtgc	aaatctgagg	acaagagctc	tgttagtaaaa	tttgggtgat

FIGURE 1 (continued)

153001 tcagatactg tgaaagttac aatccttggt ttgacttttt gaagattaac aaaattttatt  
153061 cctgctgaag ttatgcacta aattagttct aatttactcc agctgttgca catttactta  
153121 ctgaccacac agccacgctg atcacccttt tcttcctttg ggtcacttag tgtcttggtt  
153181 gctggatgaa atcaagggga tcttcagcta atgctagagt ggcacattg attttcatat  
153241 tgtctcagac agcttttcca ttgacctatg agccaagagg agagggaatt ttaaaaatat  
153301 gtgtttttga aacgattttg tgctgtgat agcaagtcga caaagatggc cctcaatgaa  
153361 ccatgcctcc cagtactcat accattgtga acccaggtgg gtcctttgta accaatagaa  
153421 tgcagtagaa gtgactgcct aatttccaca ttgagttatg agaagctttg tgggtttgag  
153481 etettggaae atttactggt agggcattct ctgtagaatc cagggtacat gctgtgccca  
153541 tgccacatgg caaggccatg tgcaagcact gtggccaaca gctgaaacca agctcctgca  
153601 tcaacttcta ccacatgagt gaattatttg gacatcagtc ccagacaaat cccagttcag  
153661 atgaatatag ctctgttcaa catctgcctg caaccacatg tgagaccctt cagccaagaa  
153721 acaccagctg gagctaagca aacctataca gaactataaa agatgataat ttattgagtc  
153781 actaagtttc cacatgggtt gttcacaaaa aatggataac tgaacacagg tgaaatgcct  
153841 ataatgtatc tctaataaggc tttcctttct agagcacttt gcatactgga ttgttactta  
153901 cctttcattc tcttcaataa ggccgtgggc tcttgaggg caaggactgg gtcttattcc  
153961 accttttcag ttttagcata tagtctggca tatagtaggt atttgtgtgt taactggaag  
154021 ttggttttat atctgaaatt ttattgtatt tgaatcaaaa tgatccctga gggggaatag  
154081 gtgttttgaa ttaagagggt agccaaaaaa taaacctatg tgtactgtag ttgtgtgaag  
154141 taaagatgtg tgaaatatgt tacagtttgt cctgaataa aggaatatgt aggtggcctc  
154201 aagtggata cagtgatgca ctaagacagt ataaaaggaa actgctatca ctgttatcct  
154261 cagcatcttg ggccaaagga ctgagagagg gaggttcag tttatgagta atttgccttag  
154321 tgtatgctta ctgtgtgtat ttgtattaaa cattcaataa gtgtttcaaa ttgaatttca  
154381 tttatacatc cttaaagcag ttttctaaaa ggtgctttta aaagtgttat tttatatagt  
154441 gactacaaat tctatatctt atcctctaag tttaaactag aaaatagttc taaaatagaa  
154501 atatgtgaag acagtggatt ttcaaatgcc aaggaaagtg tagctttgat atgtactgac  
154561 tctggaacta gtgttggtac cccagttaca gattcgattg cccattgggt gtggcctttc  
154621 ttggttttga ccaaatgtca ttttaacatc tattcagttc ggtcttaaaa atgtgataaa  
154681 taatggaatg aaaactttat aatttcagaa ttatggacct gtaggactct gttcaaaata  
154741 tgaattattt aggaaagtta taactgtgat gatgtcagaa aaaatagaac ttagaacctc  
154801 tcttgagggt cttgtgaagt cctatttttt aatcaatata gaggagctat ttttaaaatt  
154861 ggtaagtga tggcccaatc tgagatatctt aaaaggtaac aaagagcaaa ttaagtgcga  
154921 taaagtaata agaattaaga gggagcaatg agattcagga gttatgatta atttatattc  
154981 aagtaggtat gtggagaatg aacataaaca catctaactt gccatctaac ttgccattga  
155041 ttagaggggt tcatctaat ttgggacatt tgttttgaca ttaaattttc taatctatta  
155101 tttttggaca gaatatcatc tacactgtat tctagacagt ttcactctcc aatagatttt  
155161 ctggcaaat tttaatccaa tgttacatta tttttttaag ttctaaaatg aagacagaa  
155221 aagaattaca gaacatgtac ttgtctgtat tacataatta attagtgtcc tctctcagat  
155281 gcttgtagcc ctgaatctta atcttacttg aggttttact tttgttgaca gttacatgta  
155341 tagctagctg aatatacgtg ggcttcccag atttctacc taccaatagt taggtgggat  
155401 tatgggaactg cttttggcca gtggccaatg aatggaaagt atgtggatta ctggcaaaag  
155461 cacacattta tgagcccggt tttagagacct tgaagcatat gtattgagat gcctggatct  
155521 ctgaatcaact atttggaagt aagttgtcct taatagctgc taggaccaca acagatttat  
155581 acgagagaga aatgaagtgt tctatgttaa gccactgaag tttcaaggct tgcagagacg  
155641 cttattttta cctgactaaa acaacaatca catgtgtgag aaaaagatat acactttatt  
155701 aggagaagat gaatttaggt ttatgttgat ttacaaaata taaaaatcta pagttatctt  
155761 aggattttgt gatttaattt gtgtcatoga acaatagaat ctgaggactg gaagtatgtt  
155821 taaaaagctat atagtccaaa gtctgtccta cctctacccc aaacaaatca tctttcaggt  
155881 tttctgtggt gtgataccc caggtttact tgaaaaactt atttagtgaa tttctatgag  
155941 tatctgttac aagcccatgt acctgaaatt acaaacatga tttagatata aacctgtgat  
156001 tacaactctg tgacaggcaa tttactgcat tctaacacag aaacagcaaa gctttctcta  
156061 taactgtaat gaagactgtc ttttgtaact tctttgtaaa gtttatgtgg gtacacttgg  
156121 aaatttatatg aaaaaacctaa taccttttaa tatgggttta taaaatattt aacagccgta  
156181 atcacaaacag ttgcttccca cctaccacct ctctatgctt cactttatta ccttttccac  
156241 atttaaaaaat accagattct tcaactagct ttgtctgacc acctcactg ctcttcccag  
156301 ctgactggct tgcgtatttt acaaaagtcct agtatcagta tcaactctct ctacatttgg  
156361 aatgggttat caacatagct gtggaaagggt ggtggccaga cctgaaacta atatgtatgg  
156421 tagtaactagg tataaagtgt atagaagcaa agagaagact cattcatatt ttgtattttt

FIGURE 1 (continued)

156481	tgctaataaa	attaagtatc	aaattacttt	tgggtgagga	tgggcaactg	tattgtactg
156541	ctgataattt	gcagtcagga	aaaattttgt	tttcctttct	ataacaacac	tgtaaagcca
156601	tgatttcagtt	tactttcaca	tttttcttga	gccaaagtata	gaatgctatt	aaatttaaatt
156661	ttatttggttt	taaattataa	ttttagcctg	tttcaatctt	tgtgaaagct	aattctatca
156721	ctcaacataa	ttaagttatt	ctctctctgg	gctcgtgcc	cccaaatga	tgagctagct
156781	ttcgacaact	gagtccttgg	aattttacaaa	actgttcaga	aagacgaacc	aaaatttgaa
156841	tggcttgctg	tgttctgtat	aaattttataa	tcgaaagtct	gatcatggct	acagggttttt
156901	tttttttttt	aacttggtct	gtttttcaac	aaacaatata	cttatttgca	attaaatgaa
156961	aataaagcat	tgaattctga	agtttttagag	aatgacctta	gagattttta	gtggttgctca
157021	gccttagcct	cctatttaaaa	tcattctggga	actatttaaaa	gcatttaaatg	ttgtgacctt
157081	acctagacct	attaaattcc	attctctggg	gtgaagccag	gccatcagtt	attttaaaag
157141	ttctccaagt	gcttctaattg	tgcagcacag	gttgggagaa	tctgatctag	cttagcactt
157201	aaagggtata	gtgctaccac	tacataacac	ttctatattg	agtttactgt	agtatattaa
157261	tggagctatc	ttaagtggaa	aatgtctgat	caatcattaa	atagcaatct	aagtgaatc
157321	tataactaaa	atttctatct	ggaaagacaa	aaagaaaaac	caacttctct	ttgagggtat
157381	gctataccca	gagacttggc	tagtgctaag	gagggcatgg	tagacttccc	gaggtcacac
157441	aaagaacaag	cagctcatgc	ttggttctac	ccaatagtct	gagtcacctc	agtcactctg
157501	ttttagcctc	taaaccacta	ggacgtgatt	tgagaaattt	catgaagcct	caagggtgtc
157561	tttcagggtta	tttgtacaat	ggggaagaaa	atatctatag	ttcaacctct	ttcccatact
157621	catgacagat	cacctggcct	gtgcttcagt	attttacaga	ttgttcatct	gtggctgaaa
157681	agctcttctc	aaaatgctct	tacttttatt	gagctgataa	agttgccatc	ctaacttcta
157741	tcatttggtt	ctggctctgc	ctcctggagg	aacacagact	atgttgattg	tcttttccct
157801	tggttagcaa	tgcagatgga	ttgtaatttt	cctaaatctg	ctcttcaaga	aaagatttca
157861	agttttgaaa	accatattcat	catcctgtcc	tcggtgacac	ctgtttctct	cctttgtcaa
157921	catcaccttt	cacaatgtgt	cacctggata	gcagatcgaa	caacctggct	ataatagtgg
157981	ttctgatagc	ctcctttgat	ctcgtcattg	tattctagaa	atgaagccca	agattttatg
158041	tattttttacc	gcggtcatac	cacgttgatt	taaaagatca	atgattttca	agccaggctg
158101	gacattaaaa	tcacttgga	gagctttgaa	aaaatatagc	gatatcctgt	tttacccttg
158161	atcaattaaa	tcagaatctc	tggggataag	gccaggtac	agtgattttt	aaaagtactt
158221	caatgaccct	aatatgcctc	taagtgaagt	ctatccttaa	atgtggtttc	tctcaatttg
158281	taggttaaata	caatattttg	ttgttggttg	aatgtaaata	tcaggctttt	gatctgttct
158341	agtttaattt	tctgataata	gtagtcctag	aattttcaaa	tgcaattctt	taagattgca
158401	atgaagttag	aactcttacc	ttactgttta	tgtccacaaa	atgttttagaa	aagtttgaaa
158461	aggattttga	aaaagattaa	cagtgttaat	atttcttata	ttgttgggtt	tatgcataat
158521	ataatttggt	taatatgtat	cataaataaa	agtattttta	gatcacattg	tgaacttgta
158581	tcattcattga	tagcaaatga	catagctcat	aagcatggga	tcacaaattg	gttttccaaa
158641	tttaaggact	ttccaagtaa	aacaaatttt	aatgctatgc	tcattgcttc	tctttttact
158701	taaaacattg	ggtttttaaga	cataaccaaa	ataaactact	ttttattcct	ttgaacttag
158761	atatctttca	gctgttaaaa	ggagtgttgt	ttcataaagc	ctgacagaaa	actttcagtc
158821	ttctctcatct	gaaattaatc	acagtattga	ataagagtta	cccggaacaa	ctgcaatgat
158881	ttaaatttgt	gacctgggat	catttgga	aggcattttt	ccccaaagt	ttttaagatt
158941	gcctgagtat	ttcagcatag	tgaatagaat	tttataaaaa	tcagtgttat	tagccatttg
159001	cataaaaagg	aagtagcaac	cttcatggta	ttccccatta	ttcttgaaat	attgcataca
159061	ttgttggtga	gatgatatac	aatttcaaa	gcaactgggtc	ataggctaaa	gtatcataca
159121	ttgatattta	tactatctgt	cacactcaaa	atgaattaga	gatagtccaa	aggaaataatg
159181	taaaatactat	taaaacgaag	acaagaaaag	tcagaaaaaca	ctgagacaaa	gcagttaga
159241	ggtttattgt	aattgcacac	acacacaaaa	aactatcatt	aagctctttt	gatgcagct
159301	caaaaagaaa	acaatgggtt	atgtatttga	ggcctcttta	tattttcata	aaggcatctc
159361	tottagttaa	cctcatctta	ttctatgtat	acatttagaa	ttaccaaga	gatttagctt
159421	tggtttcaac	tctgagttct	aattcttatct	gtgcttaagg	gcctccagta	ggtcaagtaa
159481	caagtttaaca	ccgatgcctg	ccttgctttg	actttttctt	tcacaaatctg	taacatctat
159541	tttgagccaa	tgataaaact	gtgtatttoca	cttactagaa	ctggatttgt	tttgttctt
159601	ttgttggaac	actttcctag	atatcttgat	tctcatagct	gttaccataa	gctgaagtc
159661	ctatttaggga	tttaaaaagg	tcagtttttg	ctttatgaag	atttccatta	gcctttgaca
159721	cgcaaaaagat	tacataacaa	accacctcca	aacacagctg	tttaacatgc	tgataattaa
159781	tcttactgat	ctgtgggtta	gttaggttta	gttttagcgag	attttctcca	ttacacatct
159841	ctcatctccc	tcccagggca	agtgggttaa	ccccagcaat	gttttctcca	tgacaacctc
159901	agaggtaaaa	gggggcaaat	agaaacatac	aaggctctct	aaggcttagg	cttgaaaactg

FIGURE 1 (continued)

159961	gcacatgac	acttctactt	tattcttttg	ctaaaacag	ttatatagct	gaacccaaat
160021	tgagtgatgg	agaaatactc	ttggaacttt	tactaggaga	aactgtaaaag	tcatatggca
160081	gaaaatattg	aacctcggag	tgtttttggg	ggatataaat	tgttatttaa	atacattaaa
160141	atgtgtgatt	tcaattttaa	aattaatgtg	ttgtccgggt	gcggtggctt	atgcctgtaa
160201	tcccaacatt	ttggggaggct	gagtgggtgg	atcatgaggt	caagagatca	agaccattct
160261	ggccaacatg	gtgaaactct	gtctctacta	aaaatacgaa	aattagctgg	gcatgggtgg
160321	gcacgcctgt	agtcccagct	actcaggaag	ctgaggcagg	agatttgctt	gaacccggga
160381	ggcagagggt	gcagtttgcc	gagatgggtac	cactgtactc	cagcctggcg	acagagcaag
160441	actctgttcc	aaaaaaaaata	aaaaaataaa	aaataaaaaa	taatgtgtta	atgtattacc
160501	aaattaccat	tgtaacatct	accagtaaaa	tgattttttcc	tttagcaatt	catttctttc
160561	aagaaatgct	tgagggccca	gtcagaagac	tatttacctt	ttcttctgac	ataaaaactca
160621	cataatcttg	ggcaattaag	tttttttctc	aacaaaactt	tttttttttt	gggtgtacagt
160681	tttaacataa	aggtagattt	gtgtaacaat	cactataatc	agaatataaa	cagccaaatc
160741	acaccaaaaca	attttttttg	ttgccccttt	gtagttaaaa	cttccccttc	ctcataaacac
160801	caactaaact	gatcttctat	atagtttttgc	cttttctaga	ttggcatata	aatggaatca
160861	tacagtatgt	aaccttttga	aaatgcttct	ttcactcagt	ataatacctt	tgggaatcaa
160921	cagtgcctatt	gcacgcgataa	attttttctt	tttattgcag	agtagtaatc	cattacatgg
160981	ataaattaca	gatttaaccc	atttacctac	caaaggacat	ttgagttgtt	tccagttttg
161041	agtaattact	acaaacaaaa	tttttagaaa	cattcatgta	catgtttatt	gtgactatag
161101	attttccatta	ctctaaaata	gatagctaag	aatgatatac	tatcctatgg	taagtagctt
161161	ctgttttaatt	tccactgttt	gtgccttttt	ggattattcg	aatgttttaa	gaattccatt
161221	ttatctatta	cattttttgaa	tatcttccca	gtggctactc	tagagattac	tctctctctc
161281	tttccctctc	tctctctcta	tatatatact	taacttttca	cagtttactt	agaatttaata
161341	ttccctctca	tgtttttaatt	gtaatactta	ttaactctgt	atattaaaca	accatccaaa
161401	atgtttataat	ttttgctttt	aacaattata	catcttttta	aaacttgggc	ataaaaacagt
161461	ctataatatt	catgtggatg	ttaccatttg	tggtgctctt	ctttcagggt	tccctctagt
161521	accttttccc	ttccacctga	aaaaattatg	cattttatct	catagtagat	ttgctgttga
161581	tgaattctat	tagttttcat	tcattccaaa	acgctccttt	atttcatctt	tgttttttat
161641	tgggtgctatt	ggtttttatt	ttgtgggtac	a		

FIGURE 1 (continued)

mggctvqpql	lllalvlhpw	npclgadsek	pssiptdkll	vitvatkesd	gfhrfmqsak	61
yfnytvkvlg	qgeewrggdg	insigggqkv	rlmkevmehy	adqddlvvmf	tecfdvifag	121
gpeevlkkfq	kanhkvvfaa	dgilwpdkrl	adkypvvhig	krylnsggfi	gyapyvnriv	181
qqwnlqdndd	dqlfytkvyi	dplkreaini	tldhkcckifq	tlngavdevv	lkfengkara	241
kntfyetlpv	aingngptki	llnyfgnyvp	nswtqdnct	lcefdtvdl	avdvhpnsi	301
gvfieqptpf	lprfldillt	ldypkealkl	fihnkevyhe	kdikvffdka	kheiktikiv	361
gpeenlsqae	arnmgmdfcr	qdekcdyyfs	vdadvltnp	rtlkilieqn	rkiiaplvtr	421
hgklwsnfwg	alspdgyyar	sedyvdivqg	nrvgvwnvpy	manvylikgk	tlrsemnern	481
yfvrdkl dpd	malcrnarem	gvfmyisnrh	efgrllstan	yntshynndl	wqifenpvdw	541
kekyinrdys	kifteniveq	pcpdvfwfpi	fsekacdelv	eemehygkws	ggkhhdsris	601
ggyenvptdd	ihmkqvdl	vwldfirefi	apvtlkvfag	yytkgfalln	fvvkysperq	661
rslrphhdas	tftinialnn	vgedfqqggc	kflryncsie	sprkgwsfmh	pgrlthlhag	721
lpvkngtryi	avsfidp					

FIGURE 2